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OF

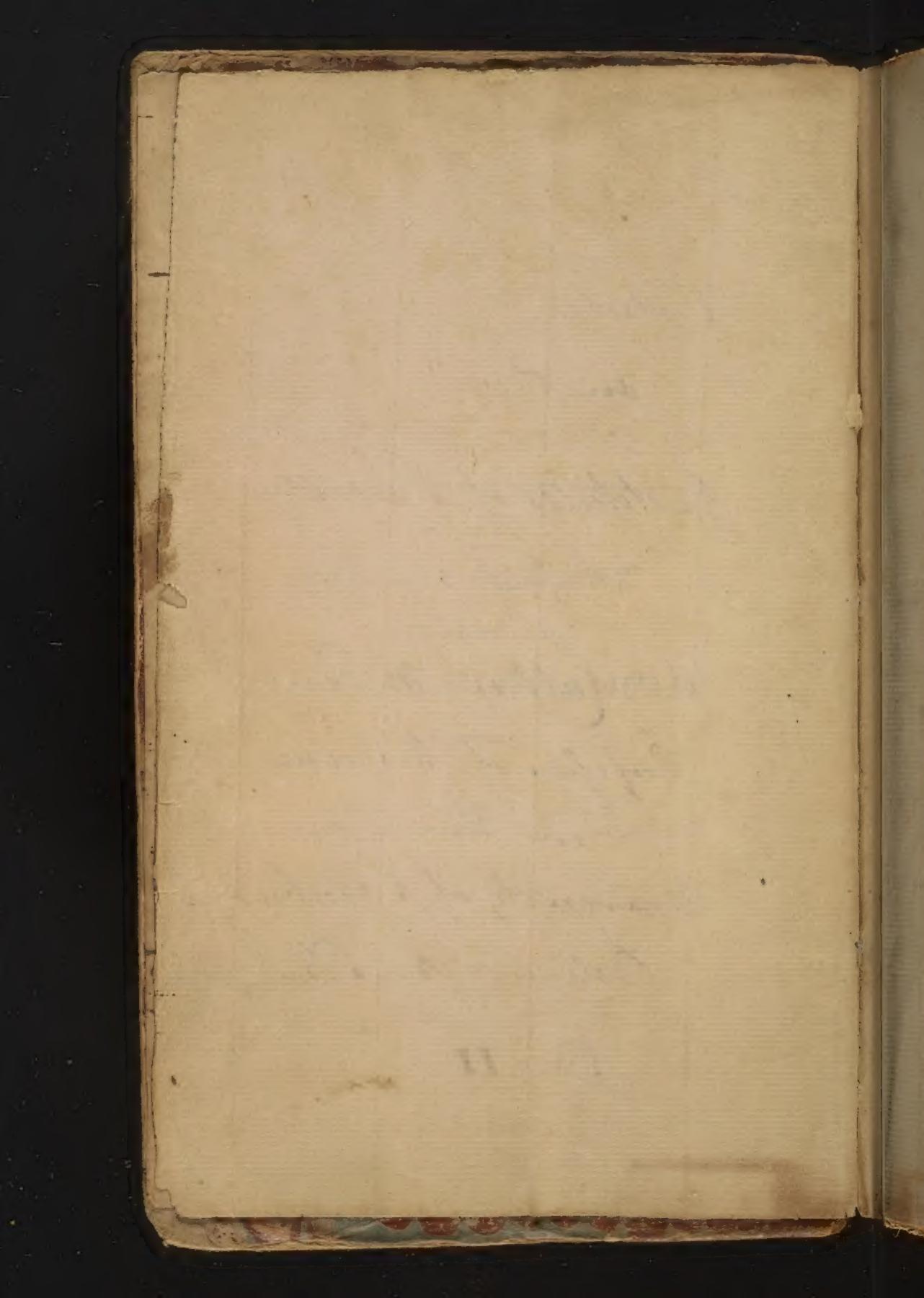
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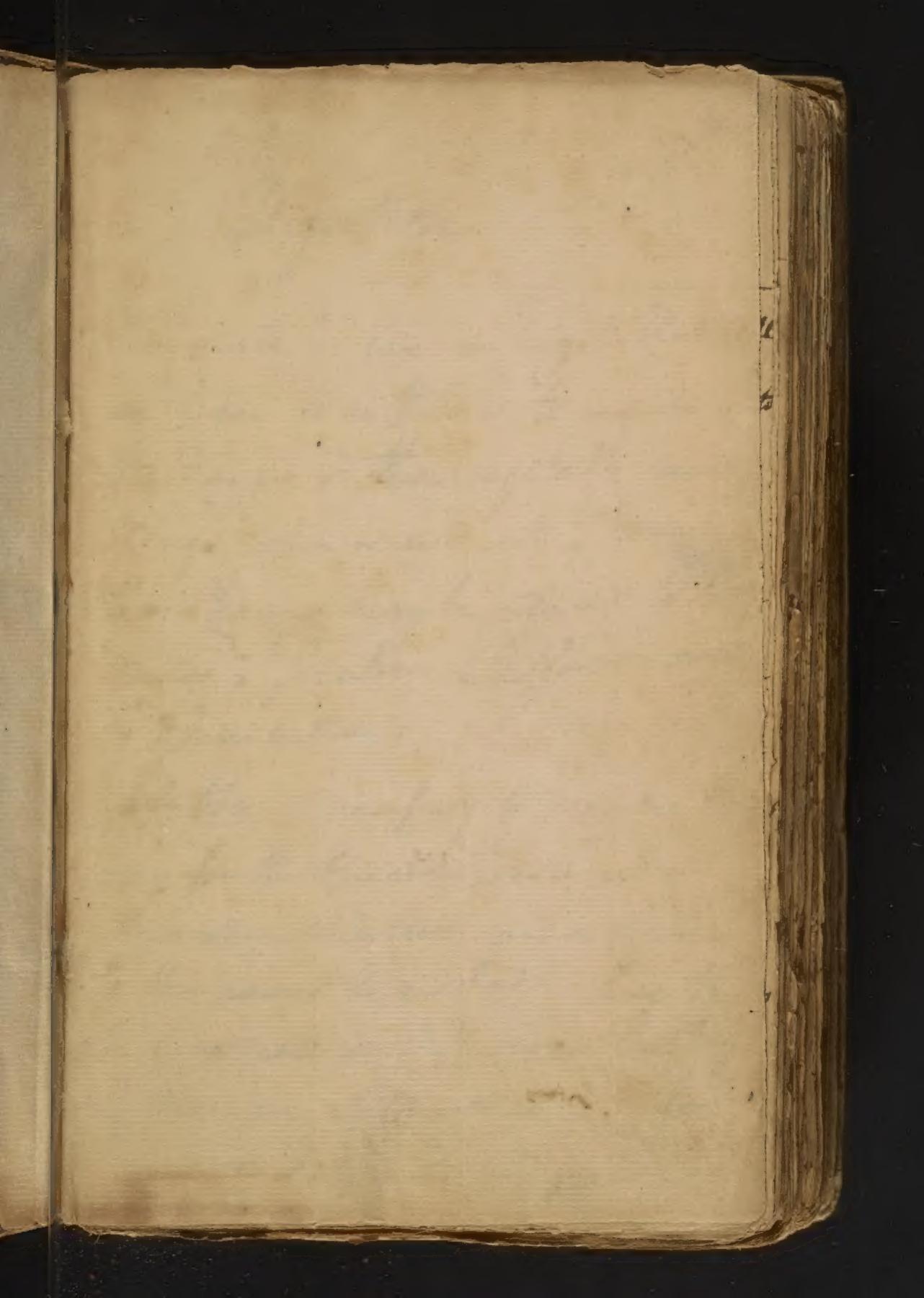
RIDGWAY BRANCH.

PRESENTED BY

COMMUNITER BONA PROFUNDERE DEORUM EST.

Lietures on the Institutes of Thy sti 134 Win fullen M. D. Professor of Medicine University of Edunburgh Delivered Anno Dom. 1767-8 Val: II





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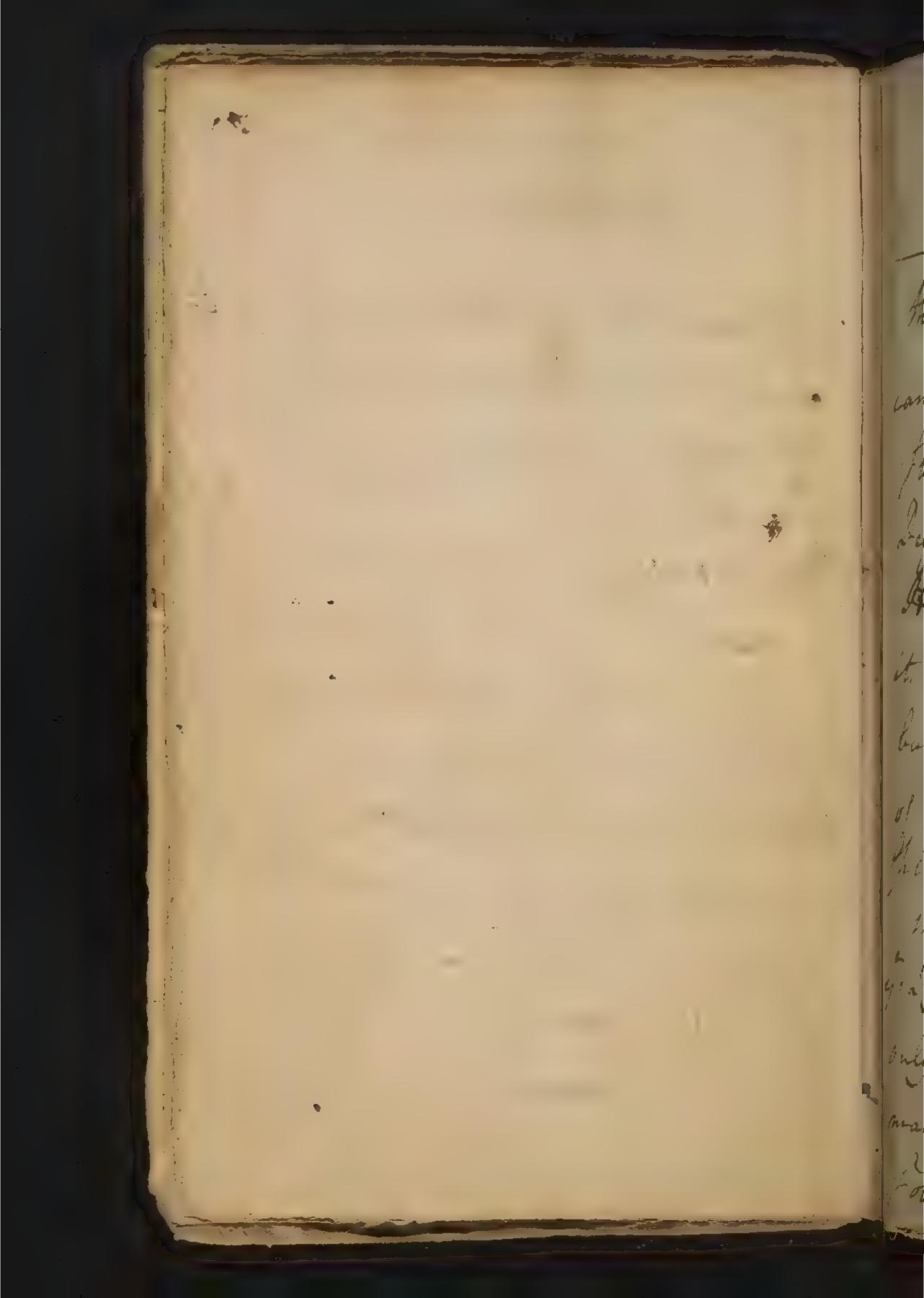
vol sel Digestion Anninals y: live on begitables - all we have to do then is to inquine into The Changes wi These begitable matters undergo when received into y stomach these hanges may be nowed to Three Heads I folution 2 Diffusion send 3. aprinilation. tolution is necessary to prepare The way for the Quartiens w: I we us it. But some bratters are do heterojumos y: they cannot be difoolied, have then we brust call in Diffusion. butheite Changes w: y From himmyous, we

Lolu tu The my see ! an en. end in ange tar

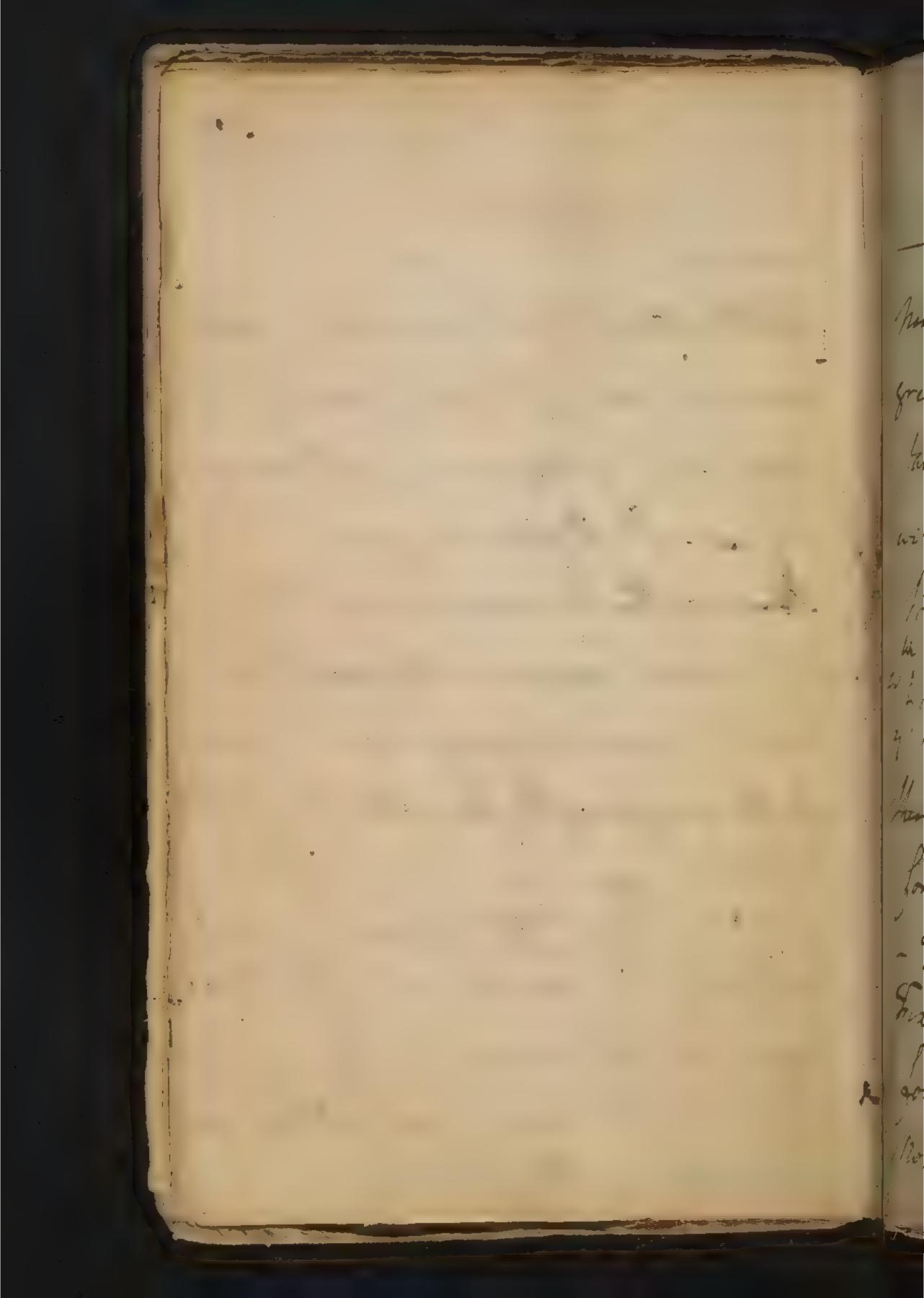
206 Digestion must then fore all in appinilation Tolution is performed by the aution of the stomach - by its Reat - & by ur. tain menstodia as the faliva, and Gastrie Juice and the Drinks we take in w: are for the most part bester. we shall harafter Speak of the hartun of Jaliva under the Asia of Secretion. the Gastrie Liquer appears to be dested in large quantities, & poured Out into the Stomach. to all these we may all The mucus secretio inthe Clophagus. all there & Euros techen together appear to have no Other action than common water. ligitation is neighbary

top Peris Ther Frut to for tto Pales

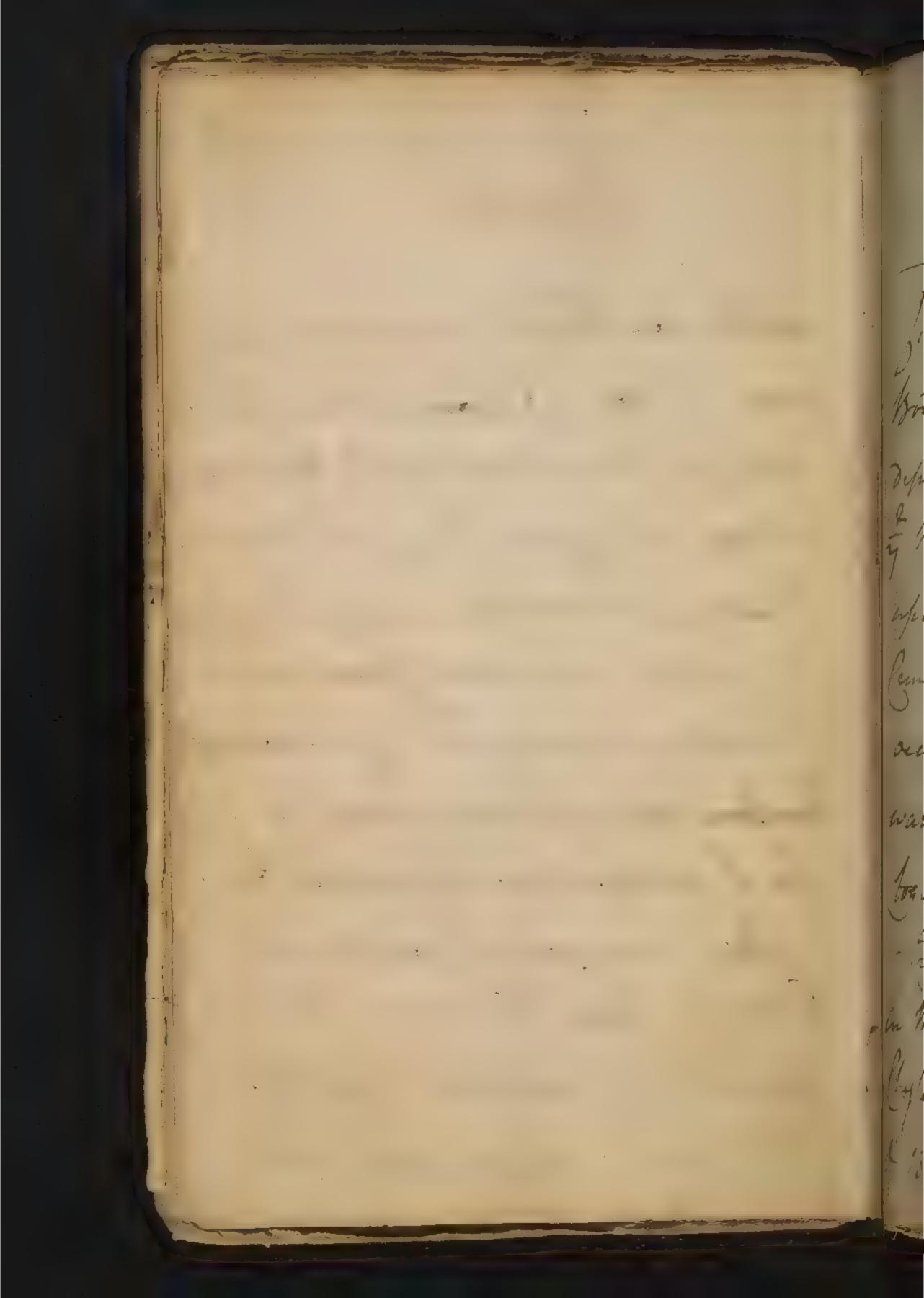
Digestion to promote this Tolution in Brown to Sustand the matters to be defidued. This Reitation is occasioned thieflyby a Peristaltie motion in the Homach. every Ther kind of Agitation is trifling and Dont deserve Burbestier. Busther apristance to Tolution is Seat. Some have Supported it to be a principal power. but this is false. it never creeds 98: . Auch ade: -gree of Heat but little concreases the dif. - dowing power of water. a Degree of that Rhove 98: coaquelates animal matters, So y: it is surneupary to call in a higer begnes of that 4: we have.



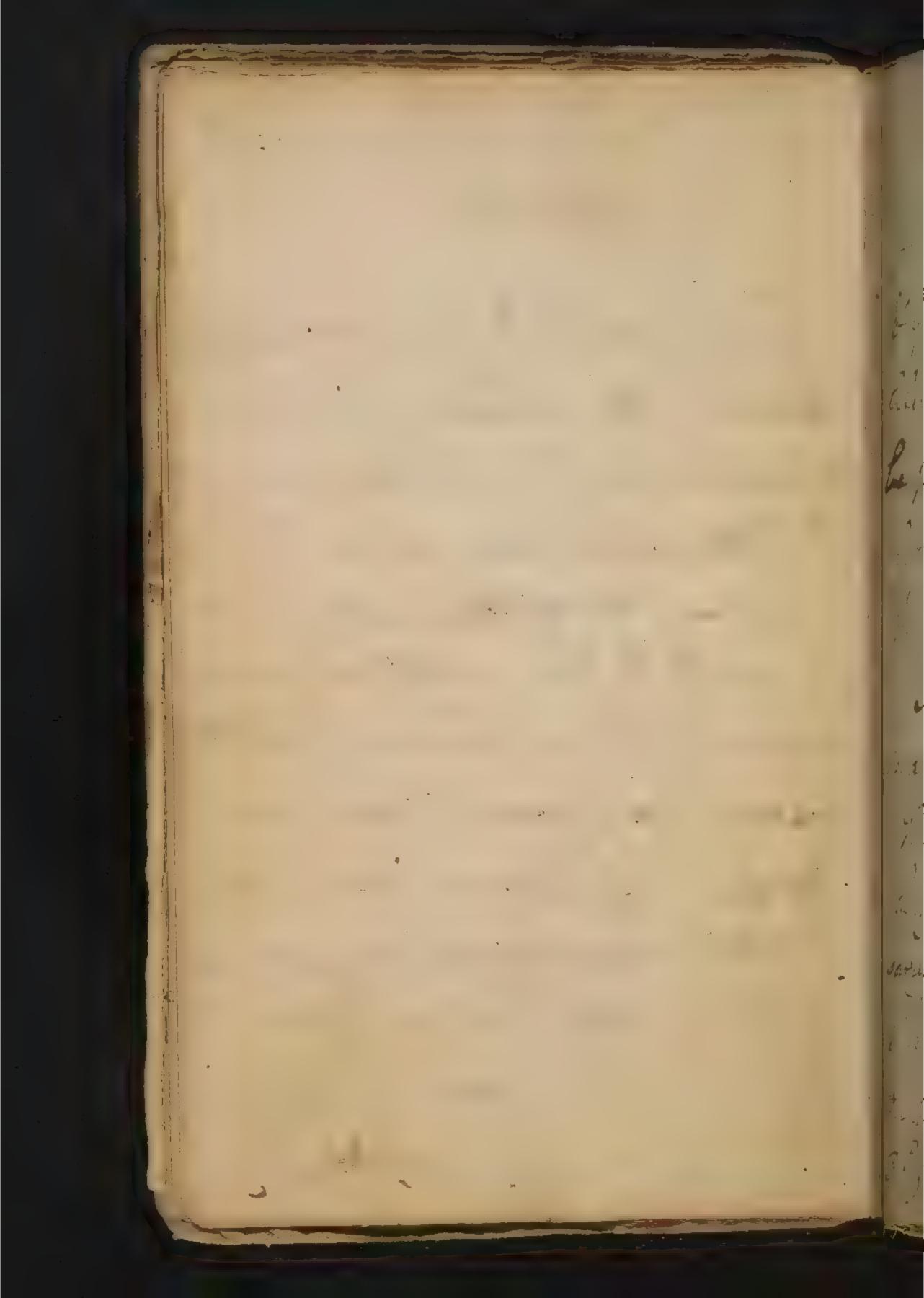
Dizestion The Heat of the circumjacent bising can ass hotting to the Mat of the Fromout as they haver exceed it by 1 Legre of Faller imagins y's The Strat of the flowerach is command by its Confice being shirt during digestion but he is seriotaken for no Such Shutting It has Brilie of the stomach ever take many Physiologists have suffored in Discottion for discottion his carried on by this toution only . but this count be, for we find many tratters are incapables of Folistion in the I to mach,



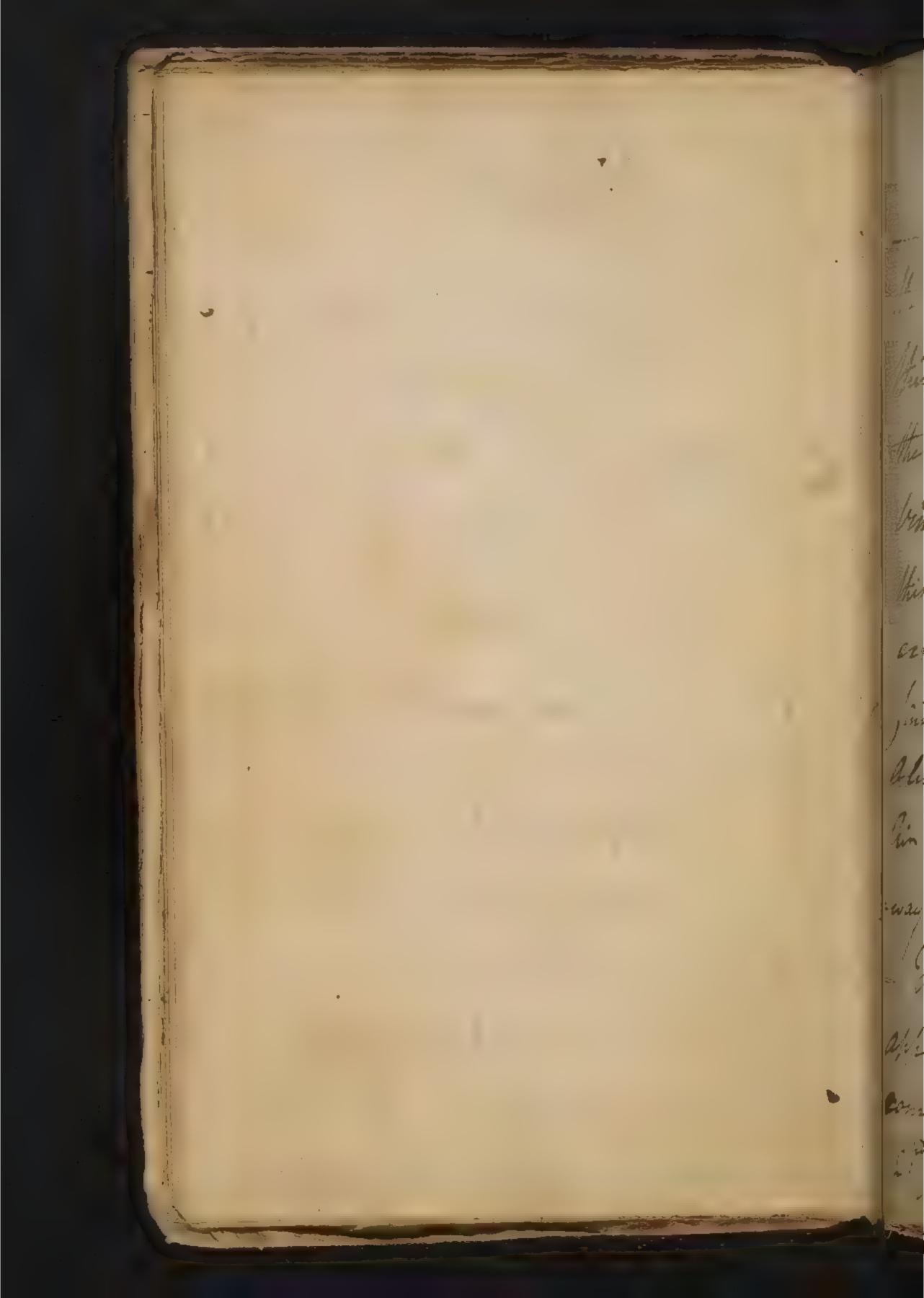
Digertion Mithur can Friture alone have any great action. I have known Vines; tand fud Heven do ap = pills discharged without undergoing the wasthange. Toudes we hever can by any Liperim? wi tolution or triture form a dignon 11 has any analogy w: Thyle . we houst Thanfore call in another hower to au's for Digestion big: drementation. - This hower acts by extricating Fixed air from Aliment, & thus forwards its Rasdulian. tuhe Motive here I do not dup pose



Digestron fixed air to be & Coment of Tolid Bodies, the attraction of Shesion depends afron gjøint hature ofall in Bodies which lumpose it, I not whom any Bue of them acting as a Swent to the Hest. a Difficult Problem occurs here Ly: is how are y oild watery parts of our aliment mist bog other? . I believe this are hever miad. The Pil appears and to be Diffus as, wen in the mili itself in is formed from the Tyle dame duplose the taliva-Elbile to red a mahonauns parture.



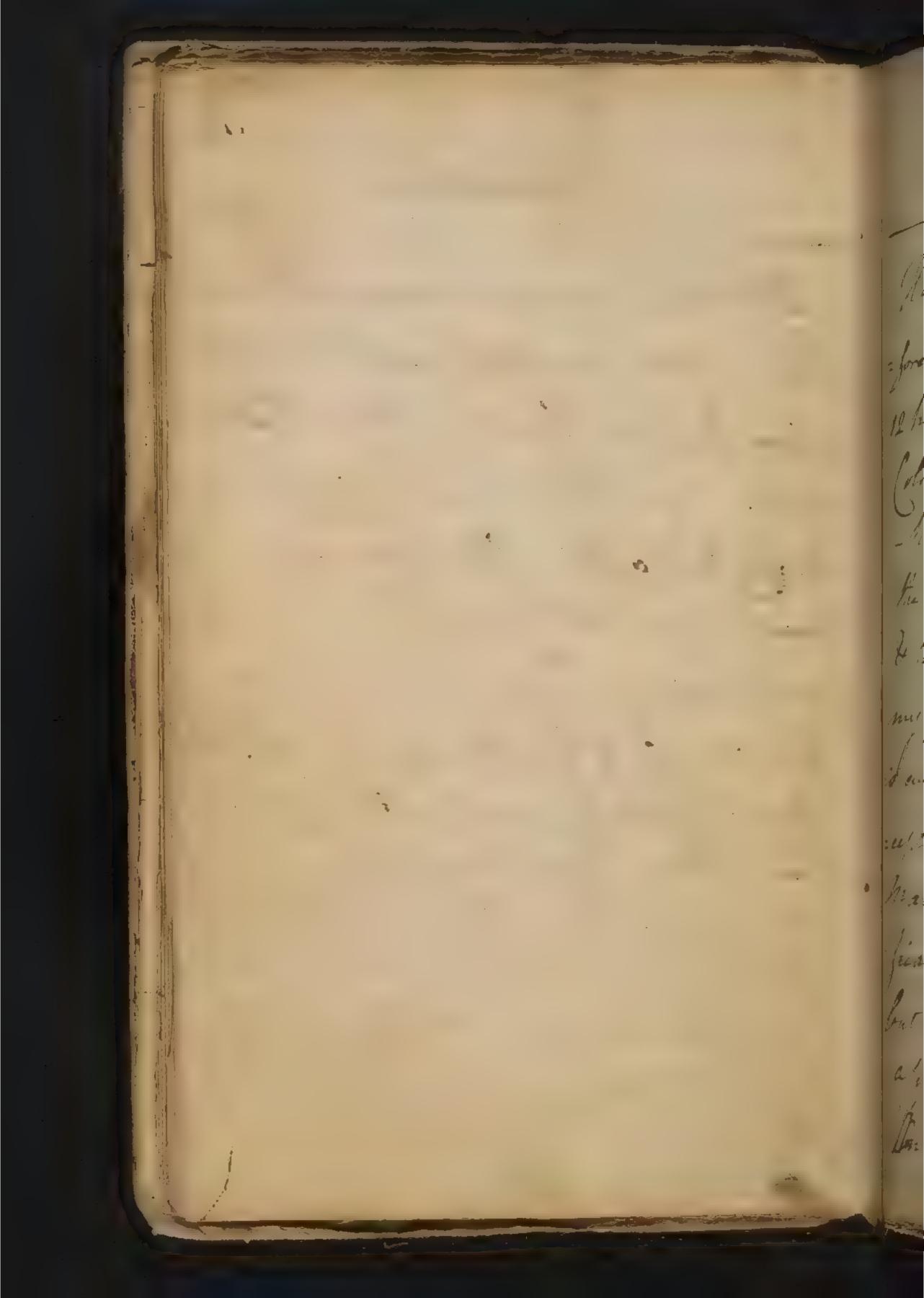
Higestions Ly: They reins the first of reing theiner that farmy more or winds to be popular of any sind of a exponaurosqua, it to grand so in hords i Emissal Carrage. in w: Mannen an sur bismenter, 2. allew organicalated? - ily orumentation, The ise here i war the out Som a capable of resementation, it weight : sartily fundiqueing it I'm from the i ir commence of Ligestion, a wine Friender in This in the of this Biform the house of the placement of the



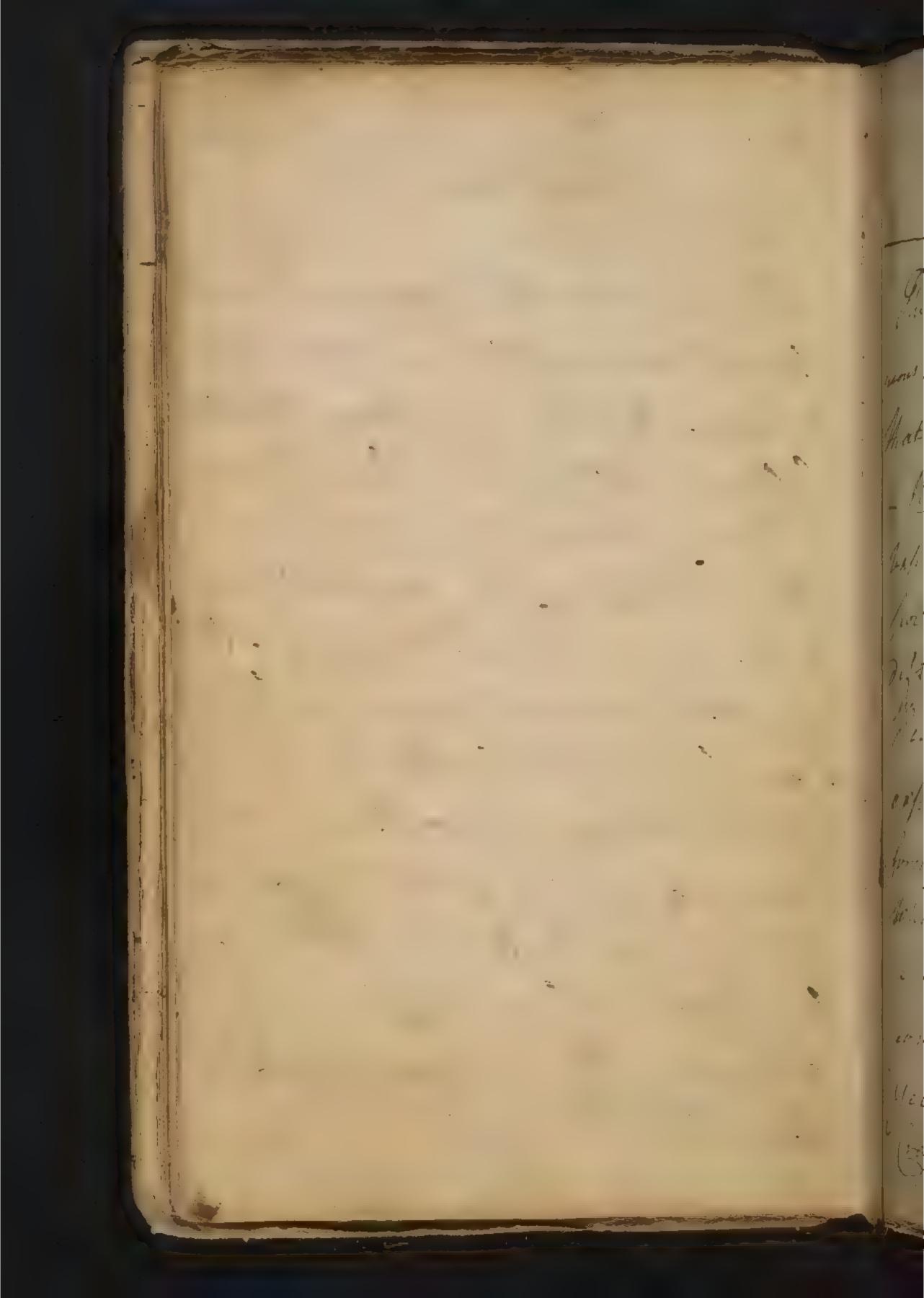
Digestion in die die de les de la far Abe o the Francestation externo. - To the Metons State. His wo does the rinous state precede it? - but know this kind of From entation tonds to extricate mephitichen, which we jind is always extricated from our Alineat under the hame of mephitie in. Is this Winous From untation al--ways heufrails previous to 4: autous. This I canout determine althout appears mobable i formits wing the Consumon Jourse of ferminting Bodies.

16/ the Maphiti Chir ce hales from the from a remembatur Lungo May arise or incipient Sutrefaction goingon in the Blood, or 2 from a motion of the Chyle H Blood together.

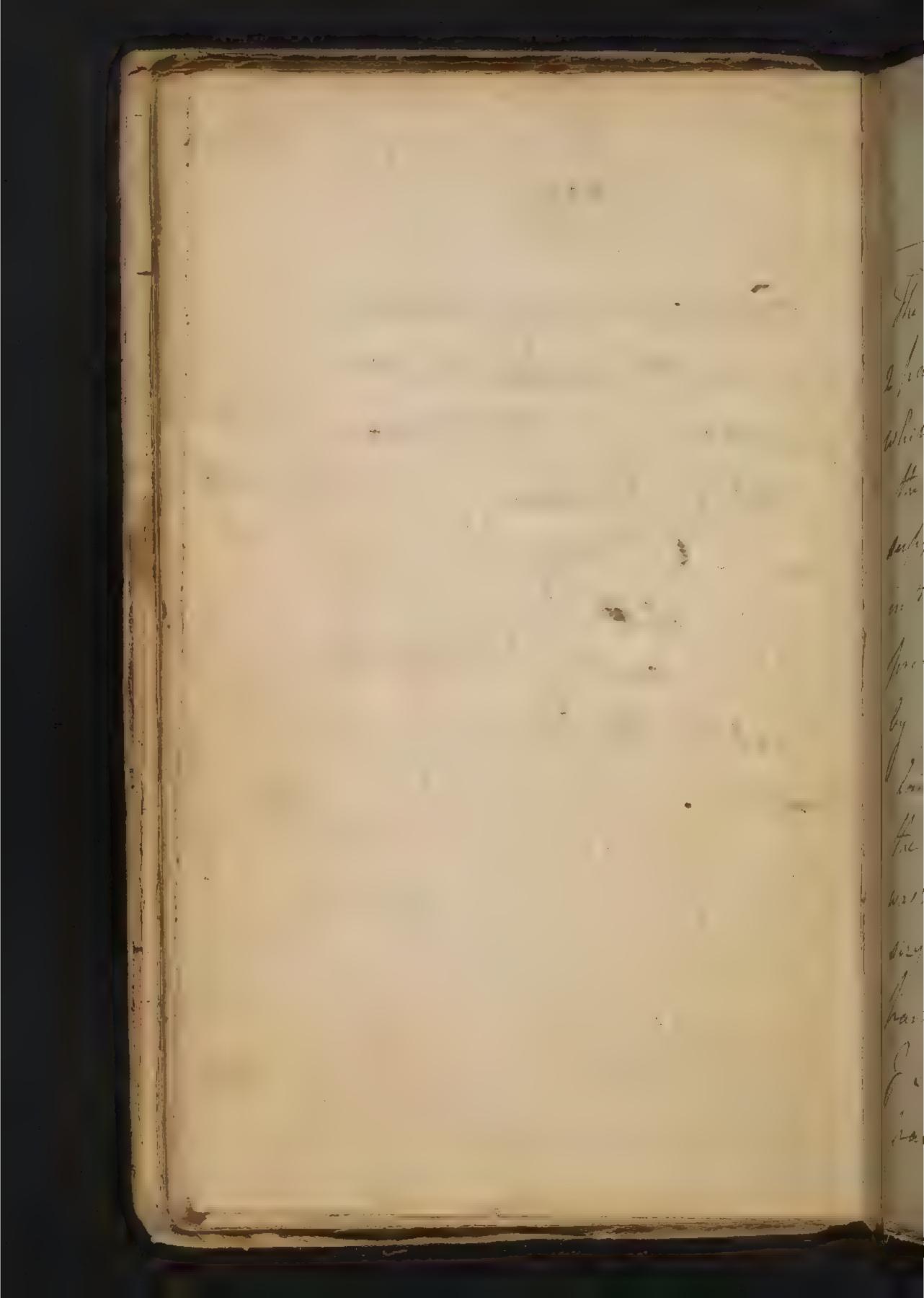
Digestion De Staden mentions many buthers w: I have not bur able to read who all de : clave they have found an his in y Storms = ach. all Patients when they Throw when The Contents of their Homaches, Show the manho of an and in it. This Ruid is destroy 200 by mixing with Bile by wilmano The Bitterness of the Bile as well as The Privity of the Allinent is Abtunded, des from their is formed that bland Liquon we call Chyle. His is alumber into the dartiels. But how? I for it by Capilliany on the 2 tive lette outern? - Dies doueste where Enjective that has her formed, concerning the further banges of y Chyli's vague and



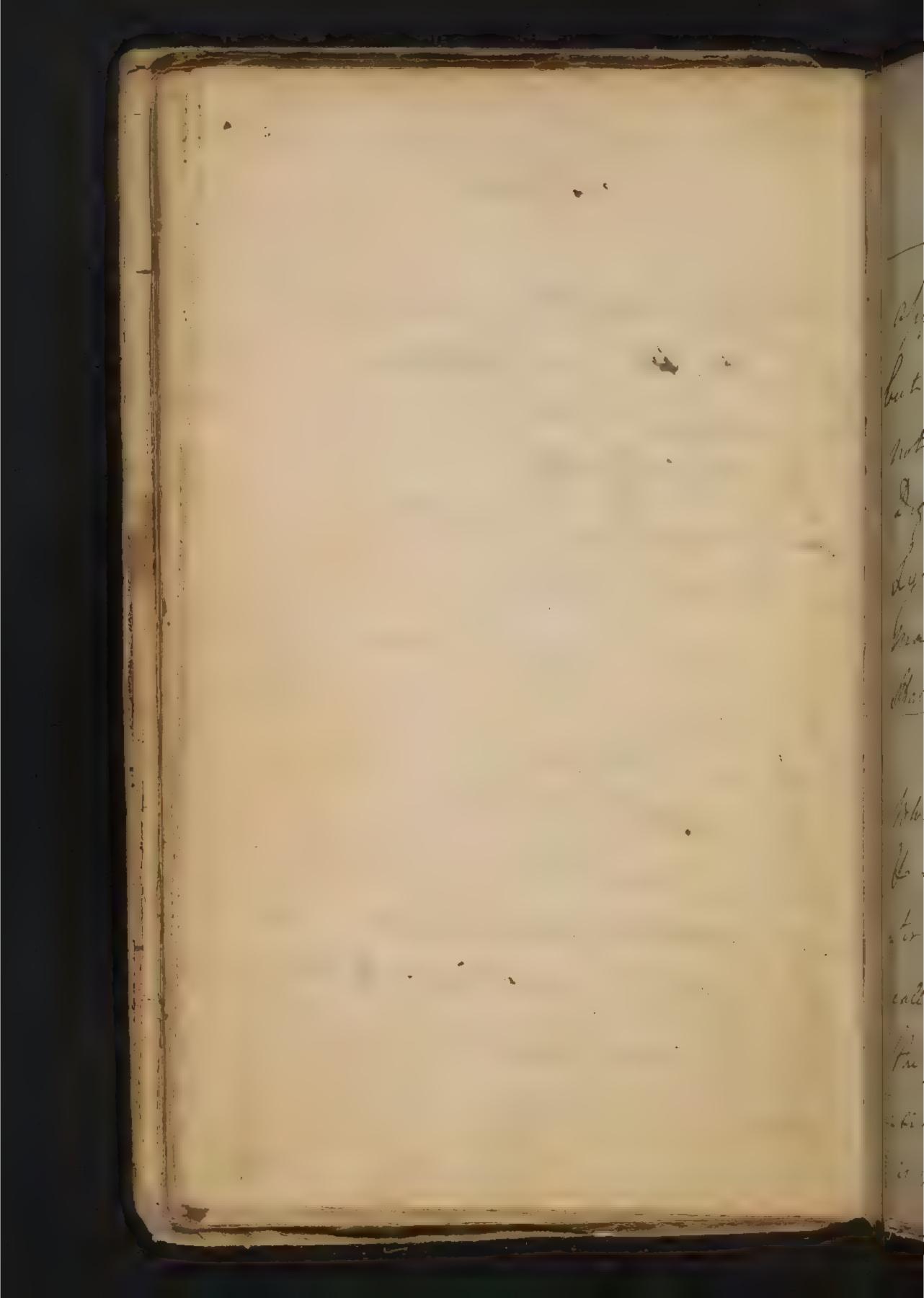
214 appimilation How long does the Chyle continue be fore it bremes tolows? _ Some Suppose 12 hours. This they infer from the White. Colour on Boldes drawn from y liven. - But this white Colour depends upon the deferration of the wagulable Lymph I has no connection is: The Chyle of my frast feannot inveginey (hyle is over found in the Carottic Lystemera = what in the Pase of June tron in the manna. It is probable the fangui: : Juation is not perfected in the aungo, but I doubt whather Chyla even appreano after it has cinculated Donce Thro Thedungs.



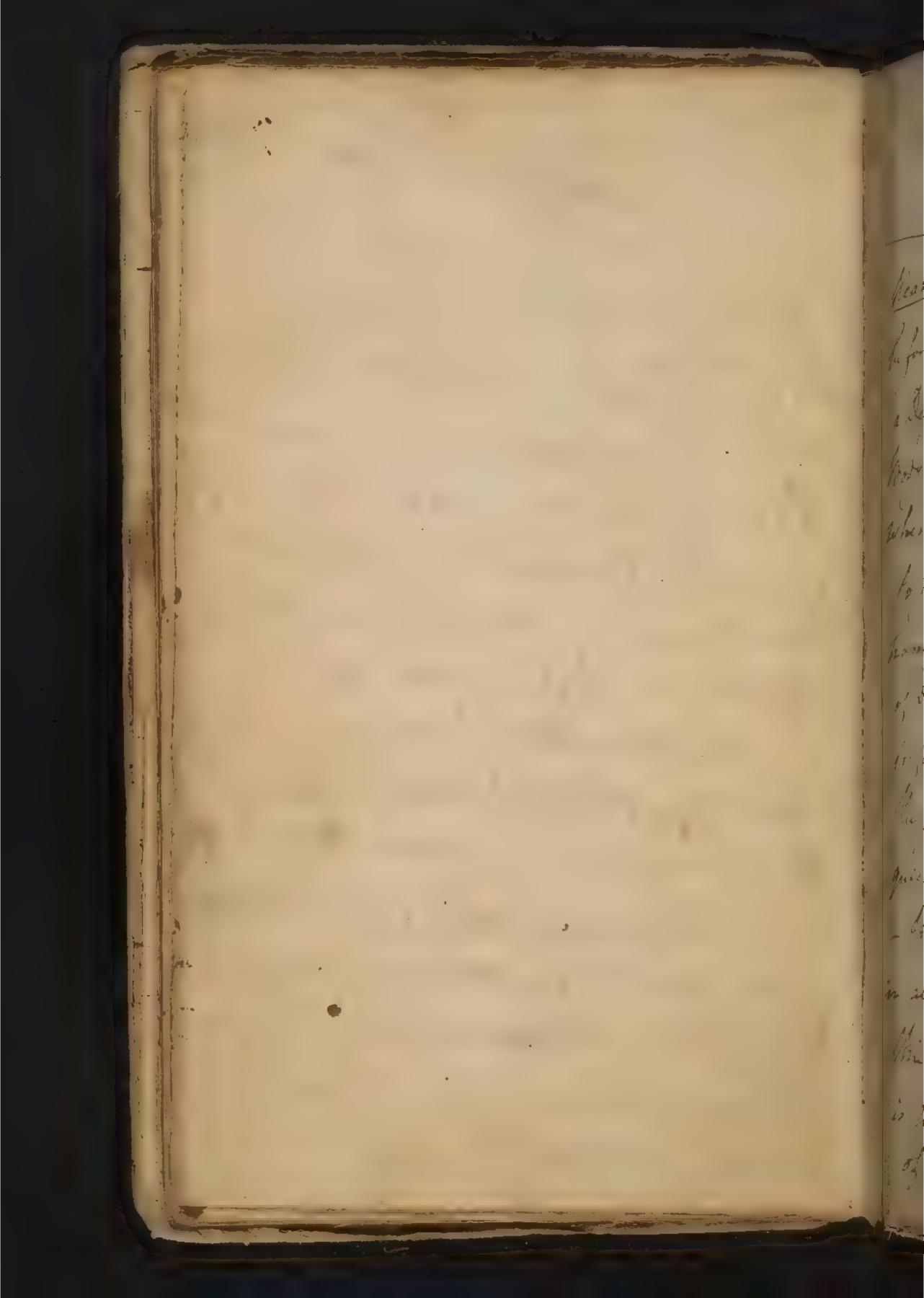
Mood This oflind appears to he a demoge-: neons frago, but afferiments feach les That it is a very Heterogeneno majo. - Poland when drawn amits a Sensible Tenform & w that looses a Sensible Prostium ef forts bright. This funtion distant avoiding to the Degree of reate or the Quantity of Powod c. ifwied. When the Molord convertes it forme a Gelatinous majo, Hafter a While Separates into 2 parts. the One 2- solid ned pait, the Cother a flind ean burles frant or surechines a little yellow. The 1: is called non, Storm Crabinus tum. ther. Jum.



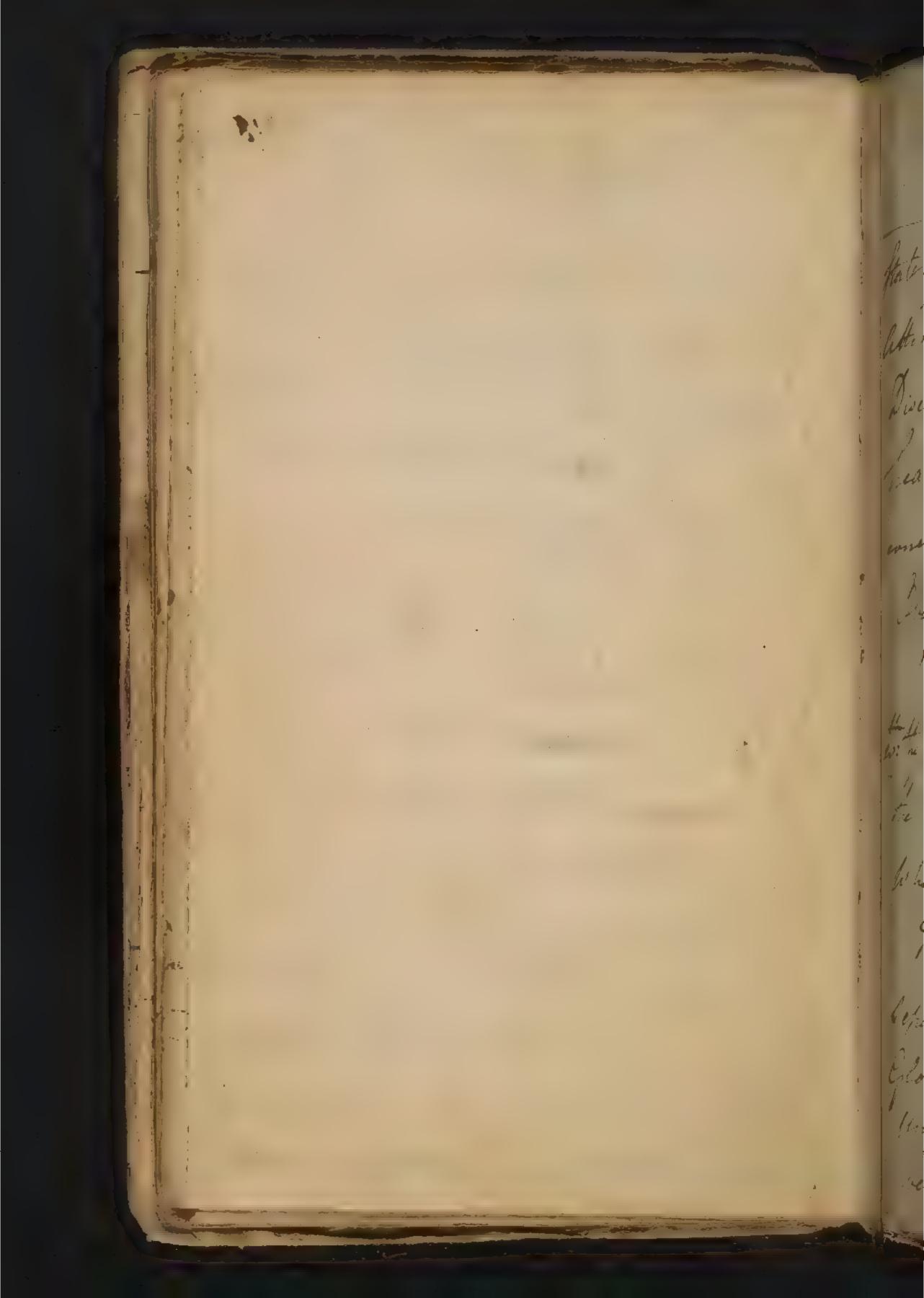
13-8000 The Prafoimentum is again die Ded into 2 parts. I red Globules, 2: as white lough Gelatinous frant called the bouff Coat to w: her long been supposed to be a Mon bid leffer him in the brown. but it is went autho present, & man be demenstrated by houring water on Jame Bloss louid an a Planthe by with aumo all the red fearts of the Moved will be was hed bru ay, It the Suph oned musting siry (out toppears. Jenue calls this hart of the bolow wagenlable Lymph. I shall Distinguish it July by y! name of oyunth. the jurious



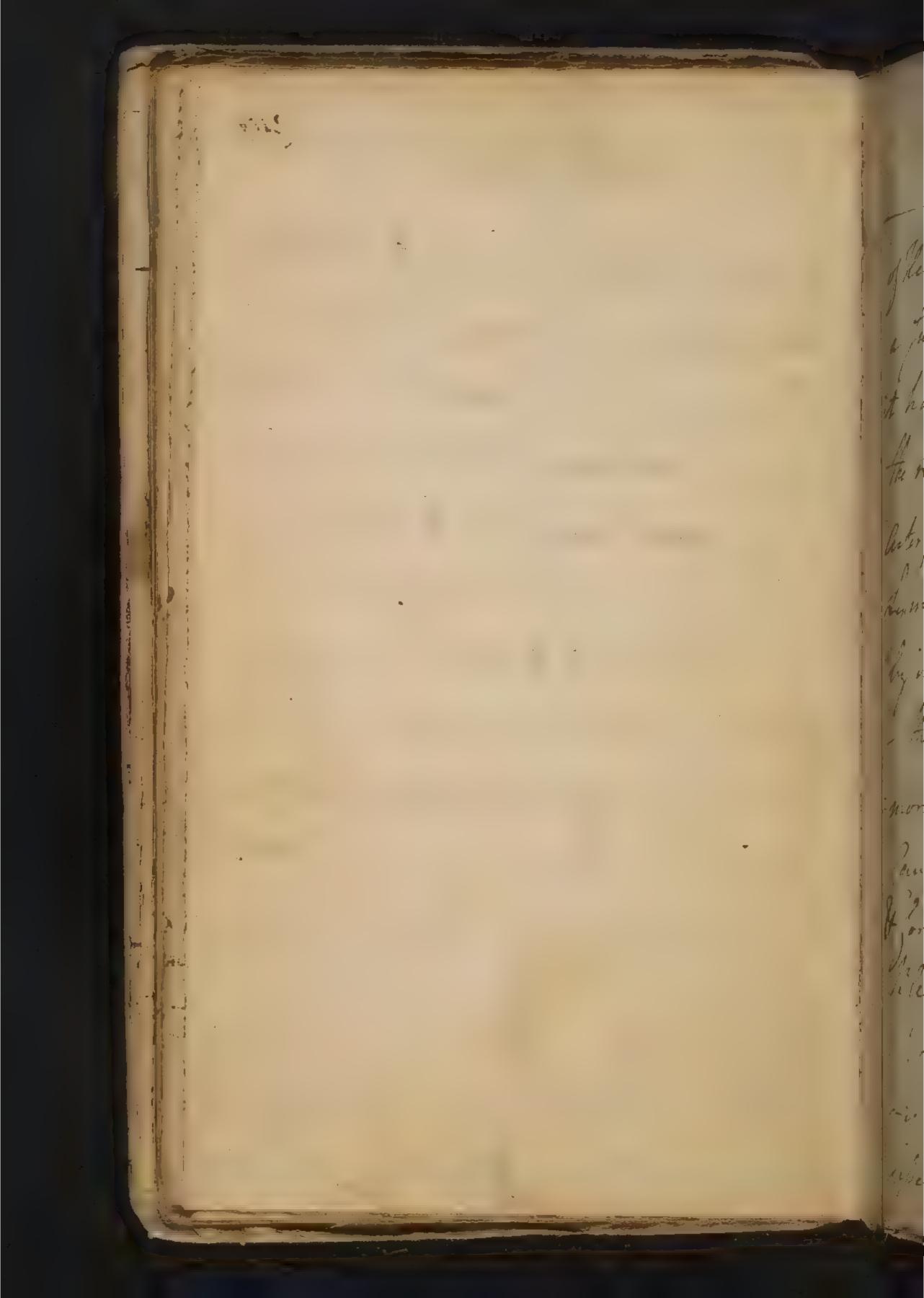
Mound Aprens to be Homoymono, but Experiments least us it is not. if we express it to a certain Digra of that it wagulates like Lymph, Kethales a very volatile matter which exactly resumbles the Balitus we before spoke of. The Sants then y comprose the 13 hord are 3 Red Globules - Lymph. He Firmme or Wi Johnse Ho call B? to In Tenas Servity of will call these the face of hunts of The Blood. Theofnatters many be Becan : si an ally there. By what There and is the Blood hapit Diffused . (by



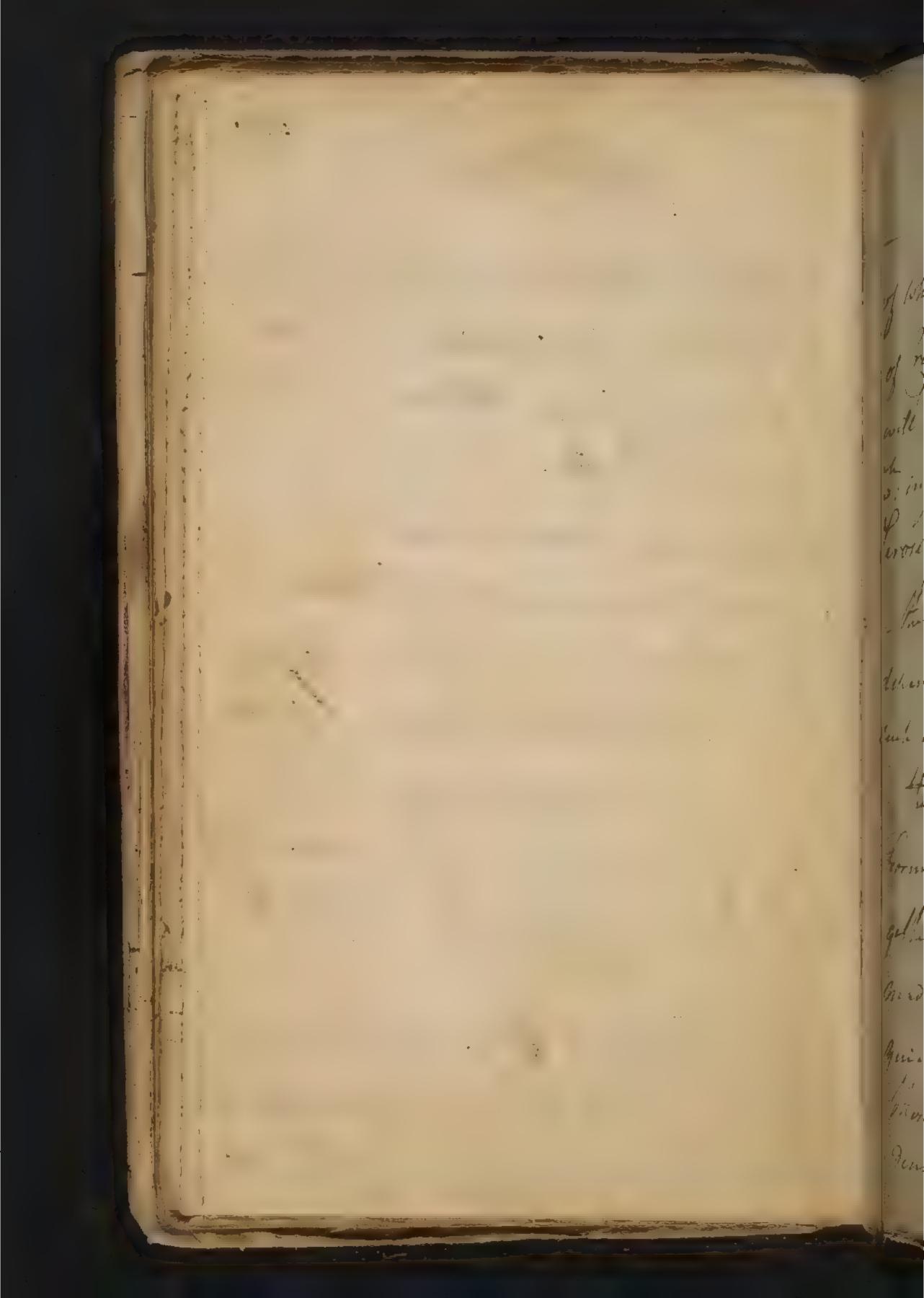
Blood Reat, hence we find the Teperation we before spoke of hever tenes place in a Degree of Heat equal to y: of y Animal Tody. The Ralities too, which exhales When the Arlead is drawn, may tind to heef the Blund in a more Diffused hamogeneous state. The firementances et Drawing liber likewise wonsideralely in Unemus its eppearance. The larger The Hearn, I'duher the leefel, the quicher the Separation He trice berra. - This Atheriment holdsequally the dame in all Inflam: Diseases. From till This you de how tittle dependance is to be placed on the appearance of the Atood in enquiring into the



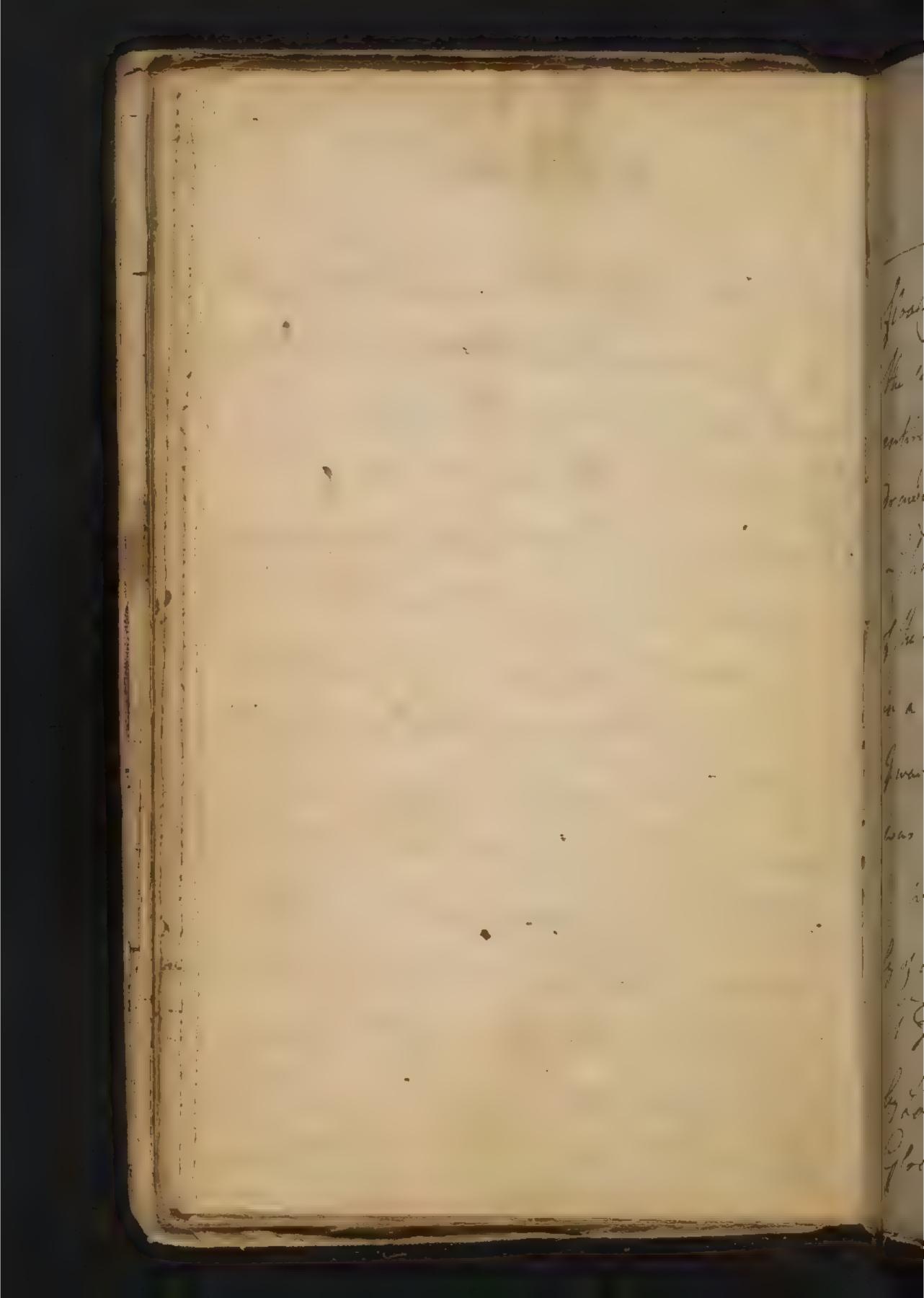
218 of the Blood. State of The Fluids . Jonnerly the anly attention was haid to the Blood, in Diseases, but from wi you have Treated, you are I dane day fully convinced, now very fallacions but Murvations must be. The Wes Alobules pre-not-mixed withe Lynnigh, but diffused Auly, hence The Headine for They show to deperate When the at It prois here are with drawn. The Toaquable Lymph Sometimes depenates from the ferum & new Estabales oven in the Body whenthier Union is life firm Than it Chould be, or When a Sufficient Depre



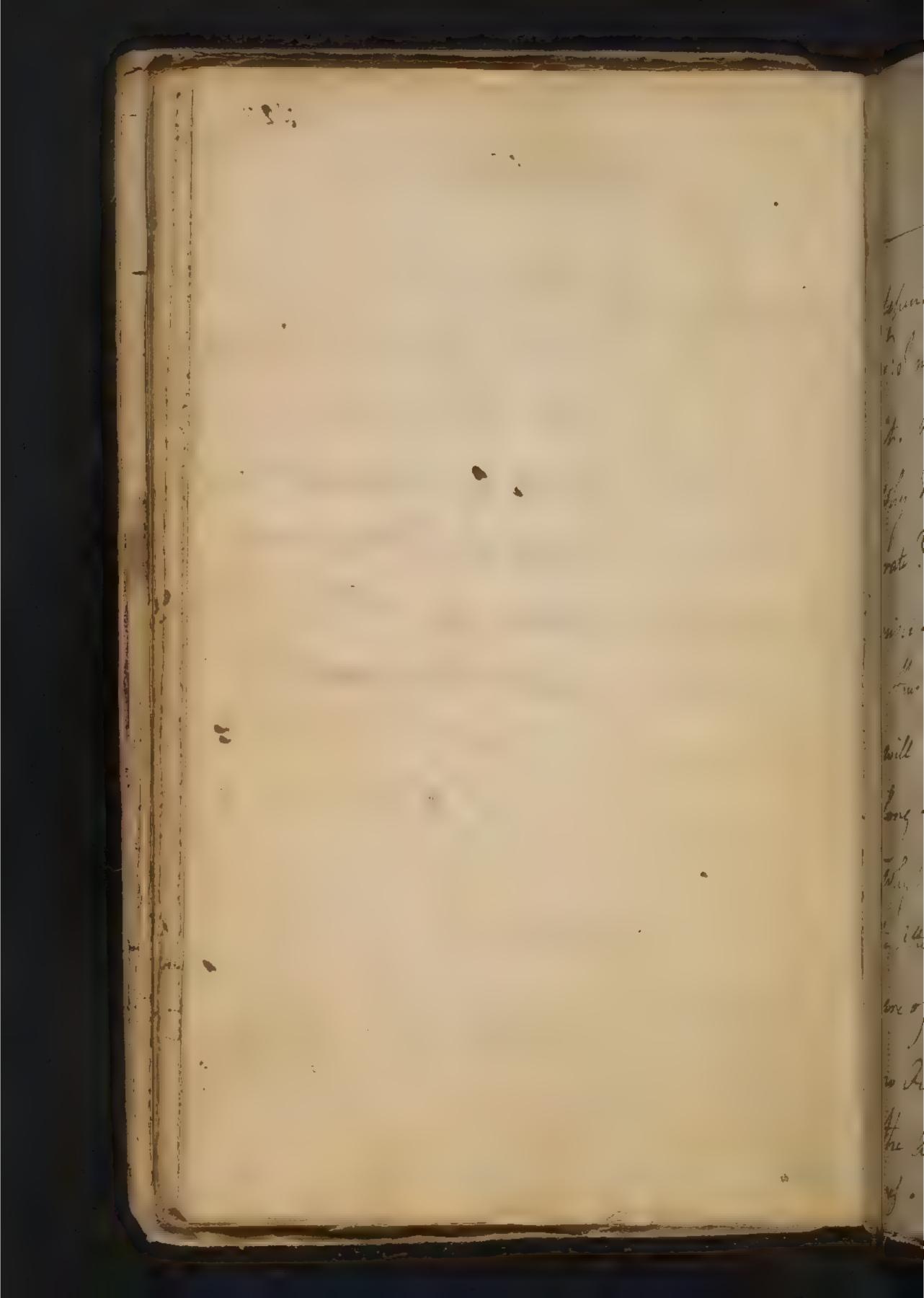
of the Blood of Heat to heep memberited , or when it has a shonger Attraction than to The red Estabules. hence we find if an actory is deprived of its Exception The dennish is more strongly attracted by it, & their constitutes Tolypus. The Spuntaneons Stopping of Hor= - morrhages depends lepony dame course. Fiz: the Lymph way whating Horming a Thrombus round the 12 leeding On tery. The Territz is of great Filiabity. -is very wolatile, & by its greateron wher Iseahe favour the Courtien?



220 of the 3 6000. of what is left behind . hence theauantity on of rafrimentum Obtained in Bluding & will defruit upon thon Freumo tames w: influence the Speration of the Tirouty, Such as Heat, broad before The Churation of the Lymph likewine dehund afron deveral Commo tames inch as The Itream - the Degree of that the ligitation it under goes - The Form of the beful inwit falls - to: - gether w: The Matter of with the Supel is made. The Separation is ear iest and Quichest in Var them befuls. evenin There Passo Where the Lymphis Densa, & formed into a little hollow?

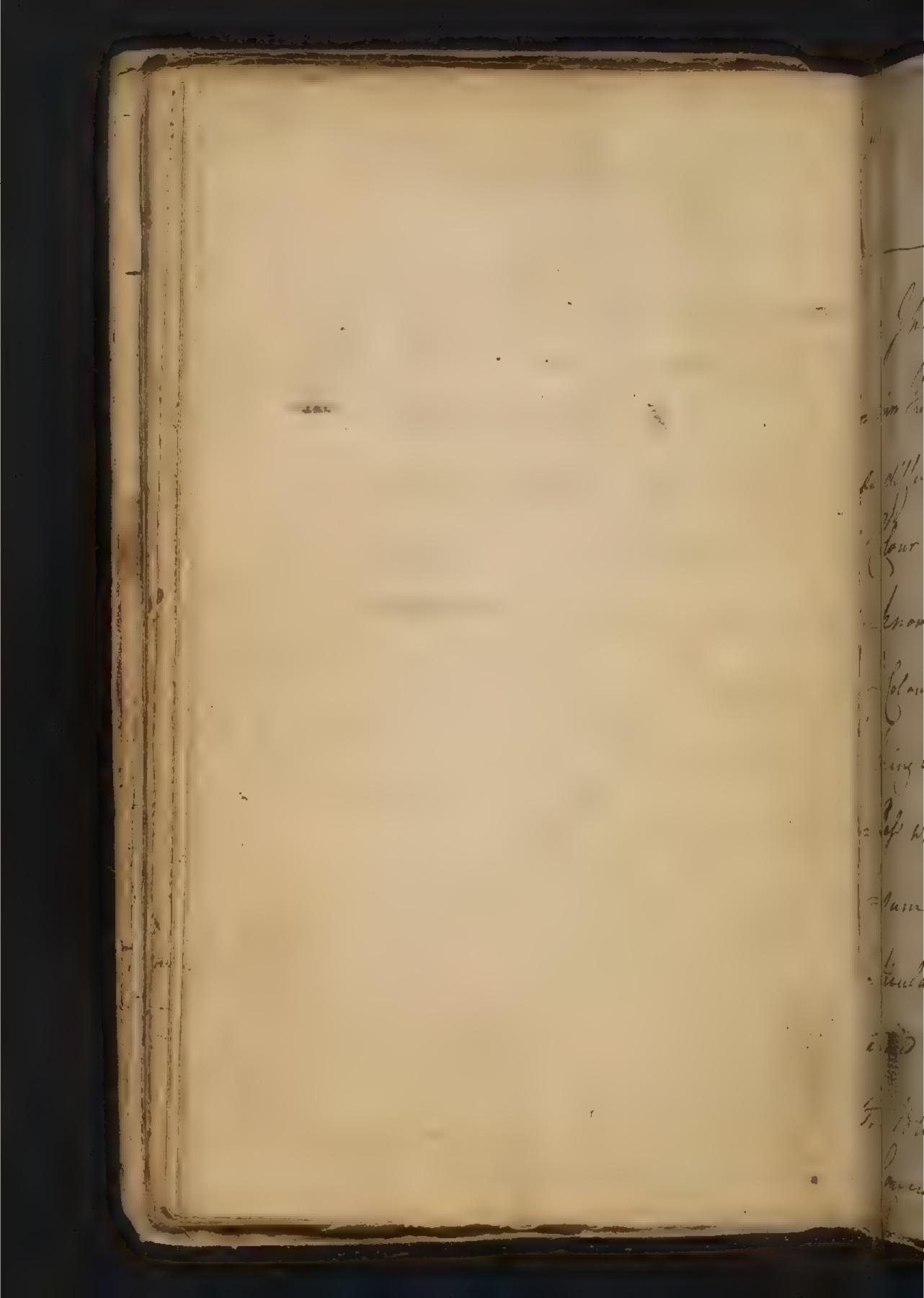


221 of the Blood Hoating Island, & where it offere adsoven The Whole Trefel His less dence it Depunds entirely whom the circumstances of drowing - Pooling de we he fore Shoke off. - have seen both these Whipmananas of the bolows within them for weeks in a Alheumatic hatientstopwebbook I was sure with out he changed as it was drawn at such short Intervals. be shall now speak more particular. · ly of each landitunt part of 4 Blood. 1 The Med Globules were Supposed Globules on within Colour heinagine

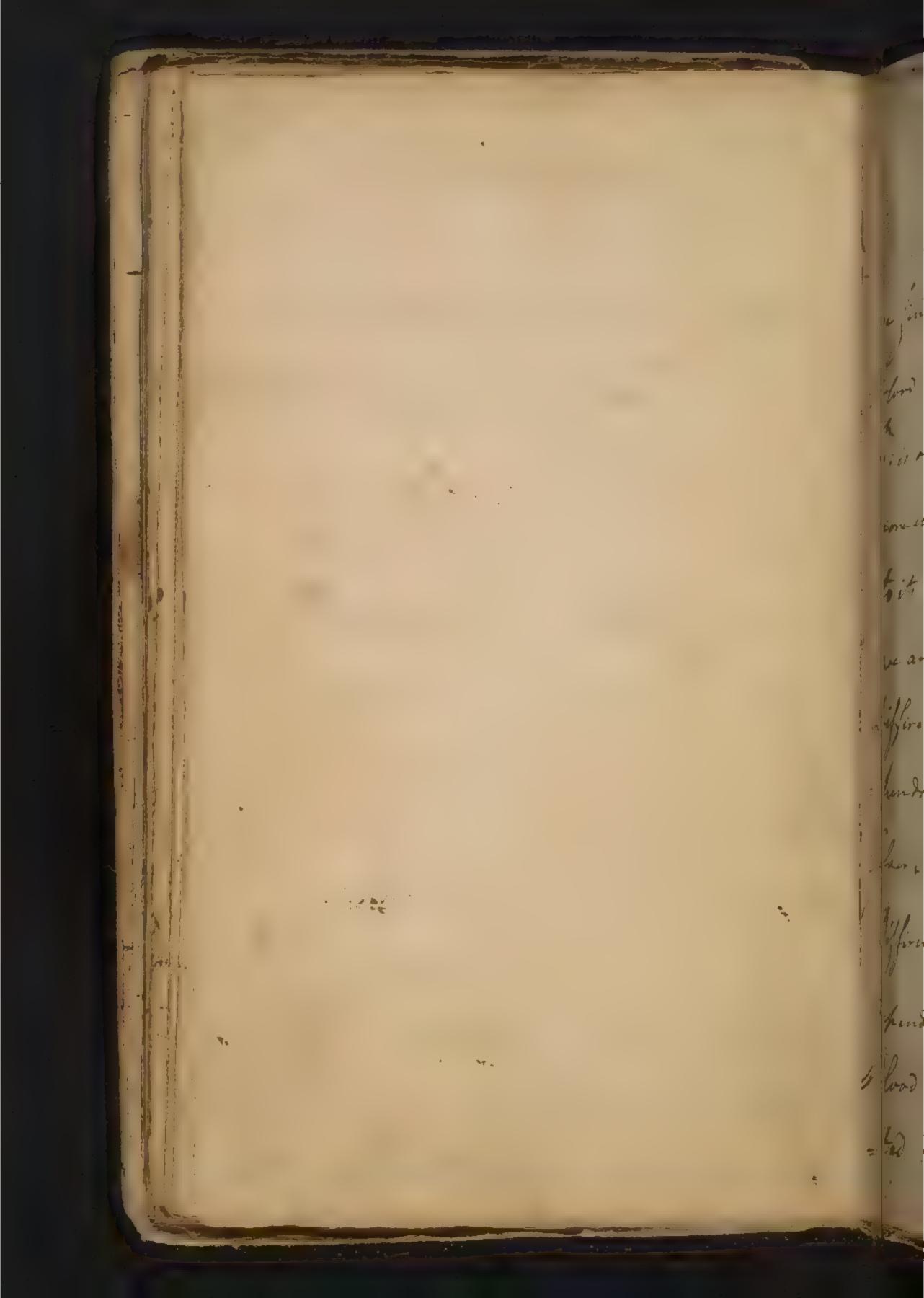


of the Blood depended. This hotion is do emonions y: I need not take any time torefute it. The I Luistion y occur here is Why to these globales continue deprin - rate? Why become they are not misci ele w: any Ithin parts of the tolow. - Frus we find alhohold guesticalhali will never mix the agitated ever so long. Some Suppose the Meason, why the Ted Globules do not min w The then fronts of the Blood is he ausithey are of an only hature. But durely no Pil can provent the Univers The alhali & lelhothol we befored when

223 of the Blood. aqueous hatures this finfer from this being so easily washed away from the Tymp he by water, 12 from thinking? so diffusable in water. wasit Bil weare lane Here Phanomena w? never !! nature, nor yet their Dipoling when rutover the Fire wor them to be Fil, Many their; i wontain no bit turn not with tanding very neadily by are easily difestived by Fire. De 3478 & two following havagraphs of a granting Tattelogy upon this inelyiet. What is Josephing moits. of the ved florender !



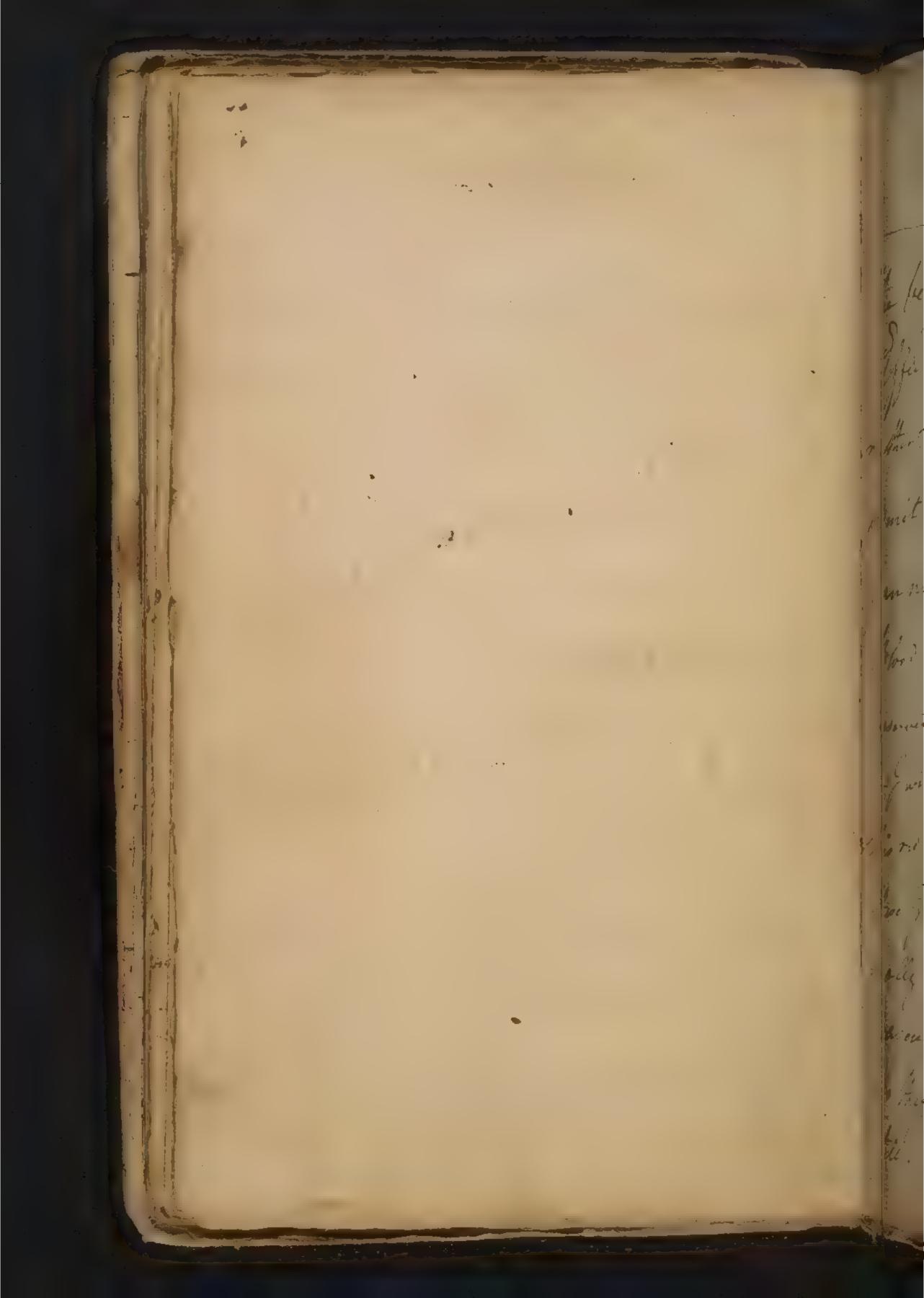
22/1 of the Blood - I know of no Herinants that accer. tain this, as the hearts of the Good are to diffused with them. On widoes ther obour depend? - This is as yet une known to to ho . I mas unajour olaur depende upon 2 or 3 Globules being laid together each of warm coulour sels when depende . But here heaf: - Oumes y: the Olid Globules are ten. . Ticular w: we cannot admit f grant inter meater or leper Colour of The 18 lood depends whom y Degree of Convertion in the real lobules . Thene



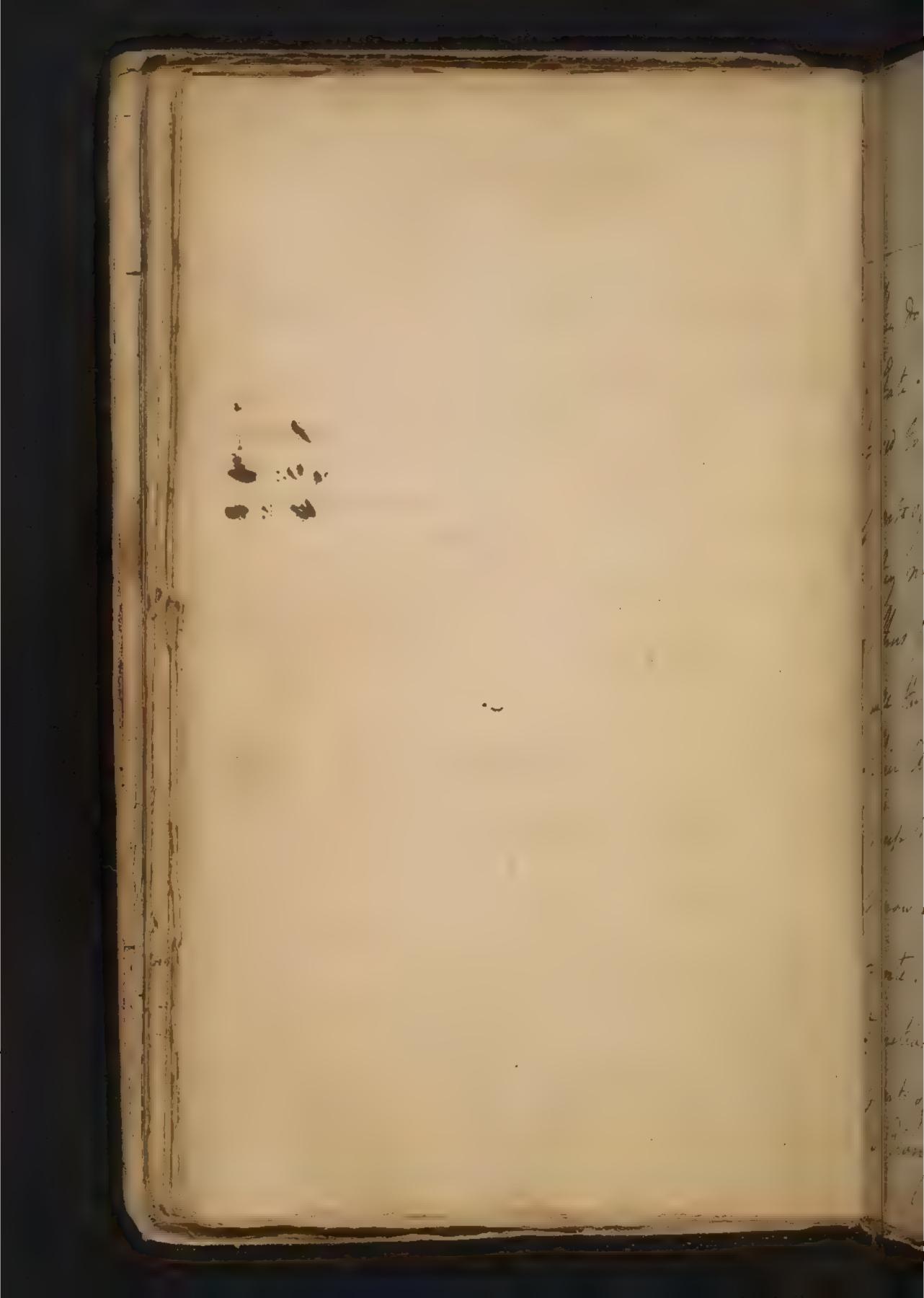
of the Blood be find the Bottom of the Board of wi is owing to the Globules concreting more elvely. This was formerly Athiebute to its not being in Contact ex: The air, but. we are now our this is not y lase. The Difference of folower them in the Blood De: - Junds entirely whom the greater on Isher teperation of verum from it. The Diffirence of Colons in the Certains & beins depends whom the Jame ause. The Polood in the antiries is onore agritated & hume its more florid (olover,

.. ----. . the h 1

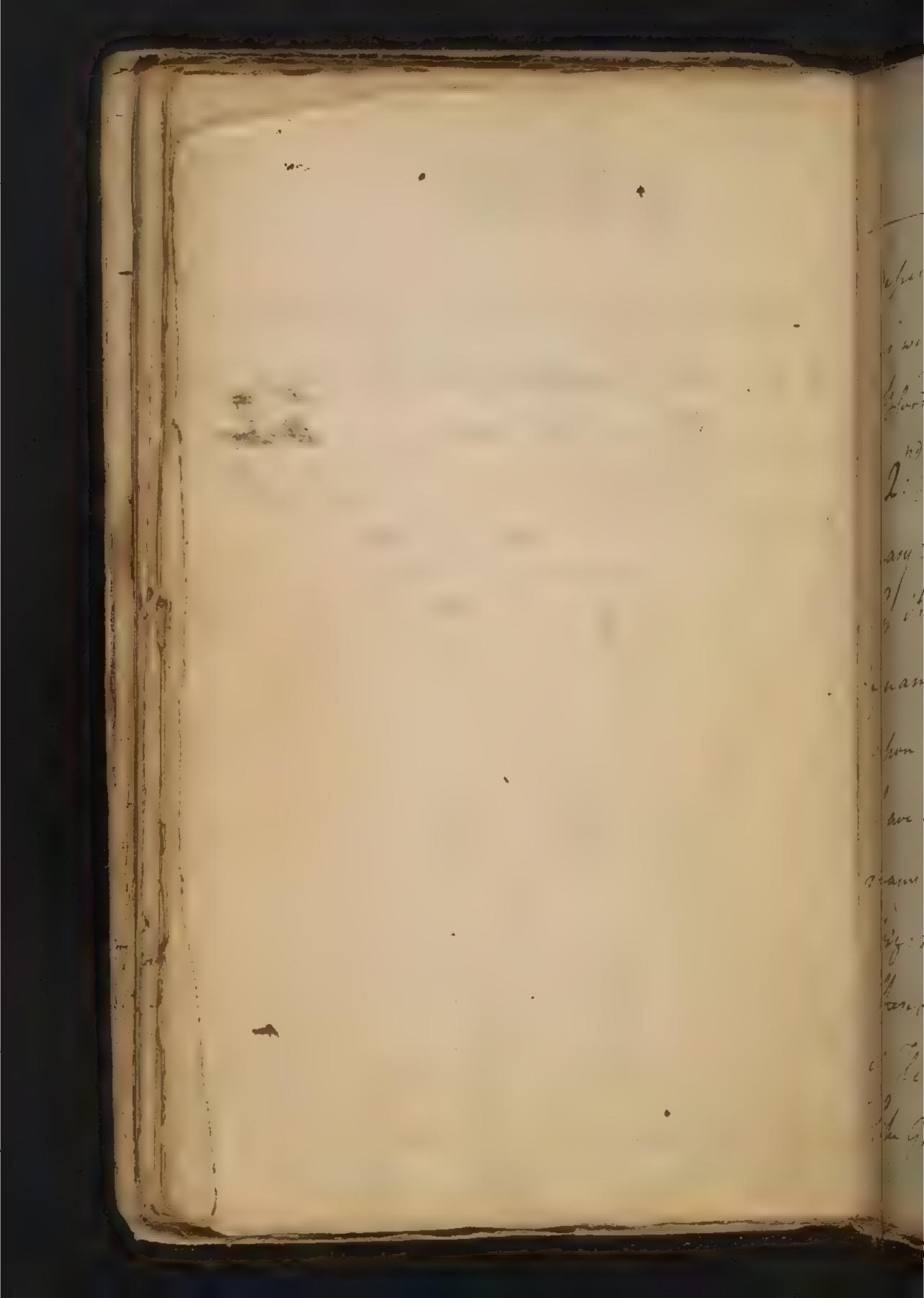
of the Blood While the Genous Polond is Epshis tated It is moreover deprived of much of it thin berous parts, It hence vises its deeper black Colour. This Difference of folower has likewise been attributed to the Retion of the lin on the Wood. but I think. The volution we have given of it accounts for this Diffinence of Colour much better. But Deain, we knowy. Bentral falts w: Thin & Diffelie the Blows enerses the florid Colour, While mineral fuids coaquetate it & freep But the Server parts of the Blown, When



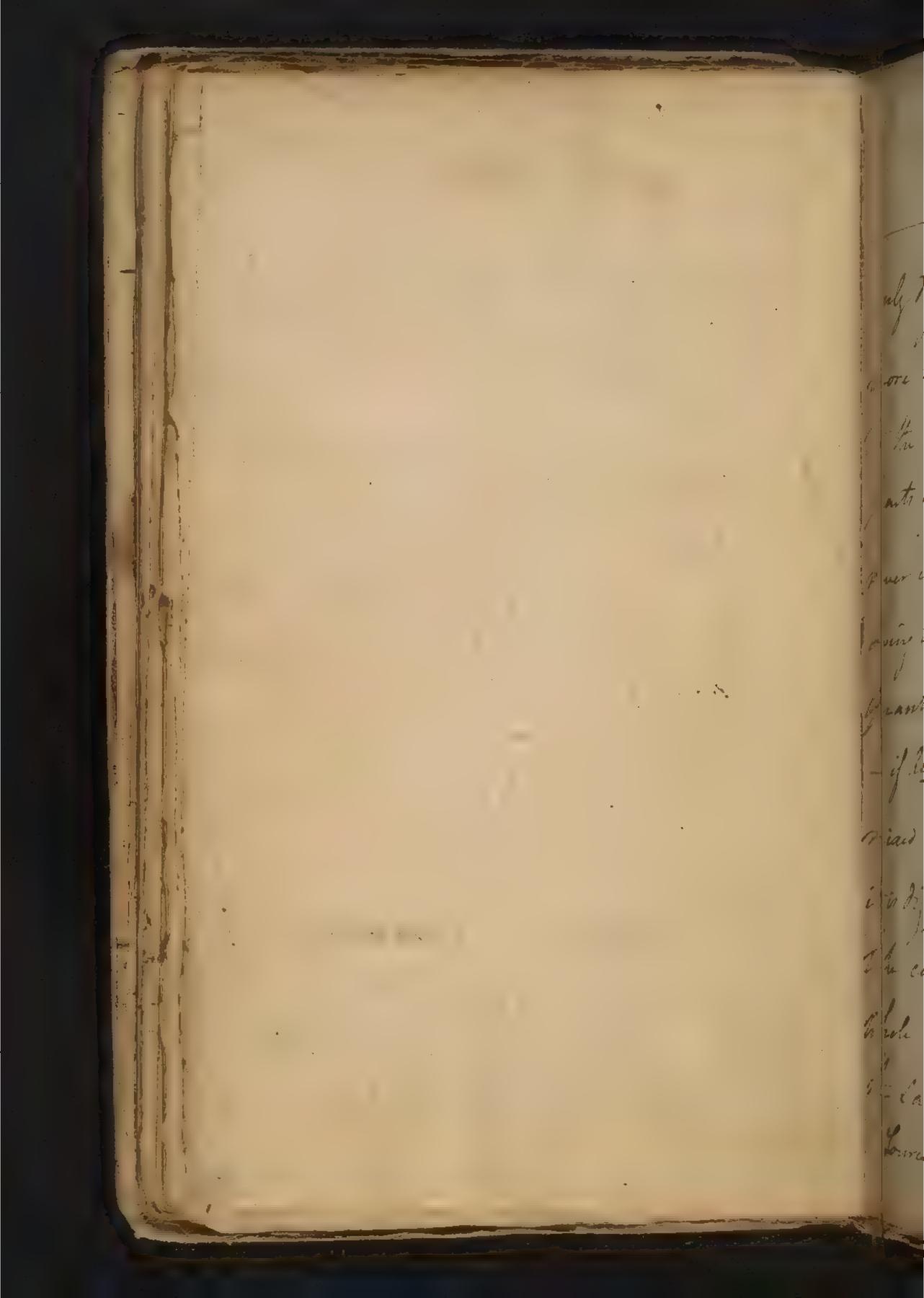
of the tolowo The begittethe his has these cogulating Iffects altho many Suppose it times rather to distrolve the Blood. Atmes far we admit me enais Princen , but we van not homit that diffusing the Blood definions A of its Colour. Diffeller, deserved to be consulted on this Julijust. - Fwish fivato inform you from Whene This rid Polour is despined, It in w: manner There Globules are formed. This are give: -rally perfectioned to the leathorn of the Vascular Lystem. in w: Manner Do they pals away! This we cannot till. we are Sure in a healthy Body



of the towood They do not pals new ay in huir hatural Fate. They applead to be more dio. hord to Putrefore him than any Bitter Lastrof the Blood, & when fre he fied they may mix w: The ferum, and Thus page Int of the Lystem? but ell this is any conjectoral. What is Then Use in the May ? perhaps to heefe the Lymph Diffusion which we rnow is very much disposed to con. erete. They may li hervise aprist in une tran in retaining the lift flind Franks of the Blows. Surther the Smooth of



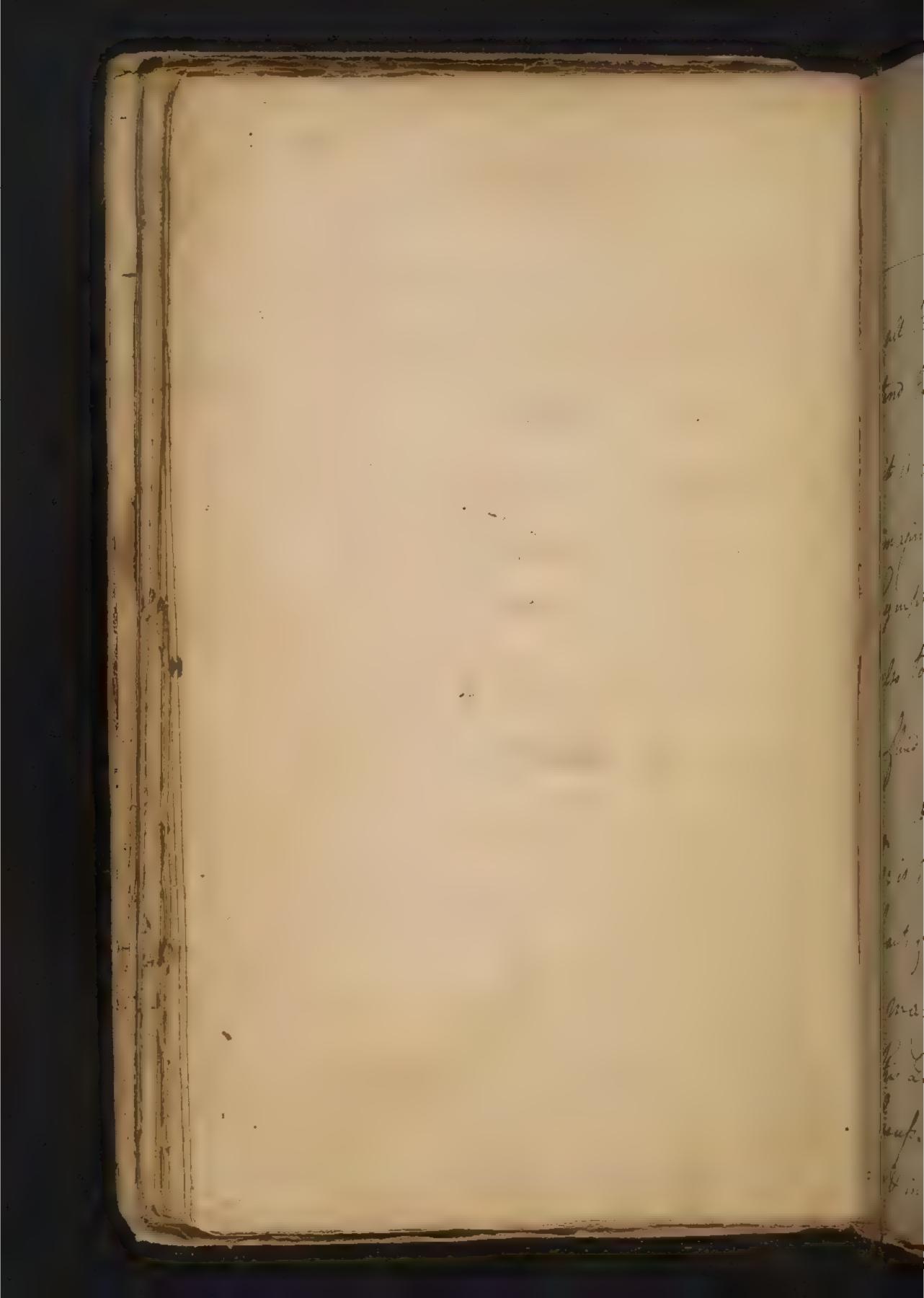
of the 13 lood. defrend whom their action especially as we find them companied And to The Blind hefsels. 2: haa que lable ymine. It is not easy to the his hortion of our colinds by itself. it generally contains a anantity of Serum, hence our represents have a Fluid an alagous to it on w: many of herinants have hun made big: the albumen Bri . hours and Joth Pour de luids are coaque lable by 156. of Heat - both by hirds & alhabis in like Gnantities & in like Manner, the



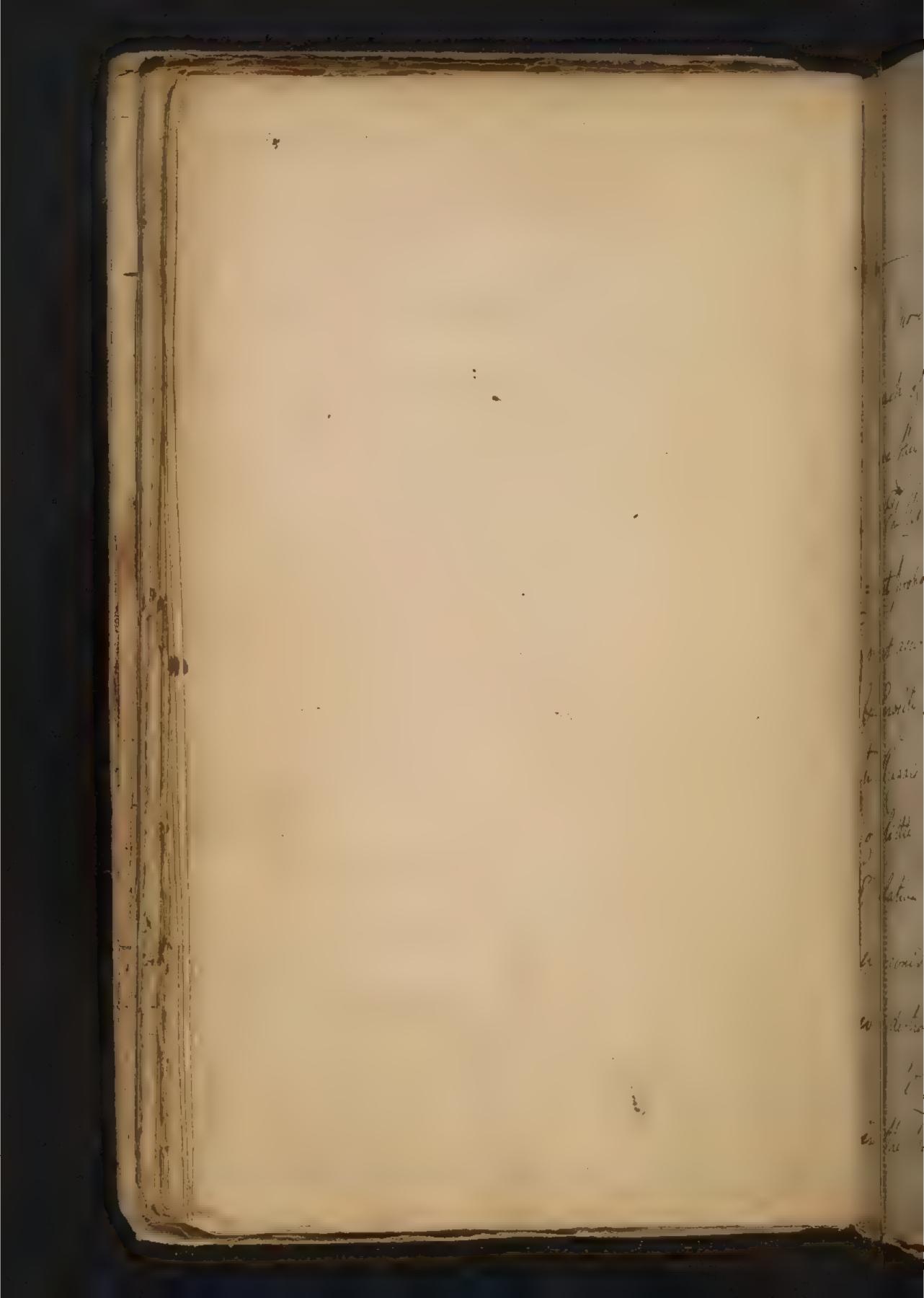
of the Poloco Anly differ in 1: The Albumen Bries more bland than i Lymph wi isowing o the latter containing some saline parts of the Jenum. 2 nd the Albuman Fri never conserctes in the fold w: is never owing to its containing a greater mantity of water mixed with it. - if Alltemen bri is dried & afterwards miand w: hater in the heat of the Body it is driffened, but in the Its it comentes like coaque lable Lymph. Whom The Whole then I think they are exactly Tourse of hourishment. All hegetable

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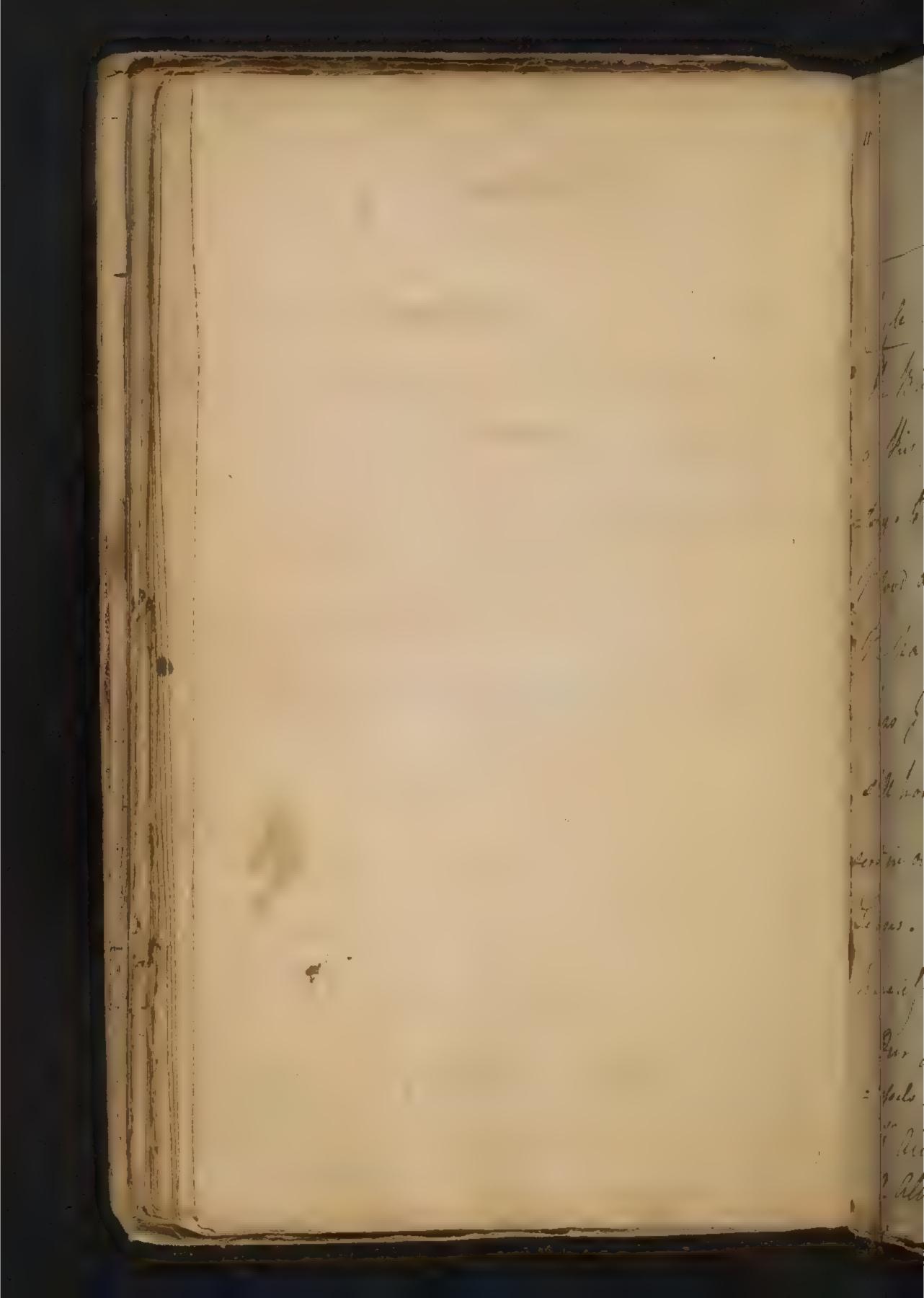
of the Blood Matten are fint formed into Lymph, w: lefter a while is dipolored in the water we take into our Bodies, & is then called 3: Genosity. This appears to be hothing but looter w: Salt Deholver in it. This Last wit contains is of y hommonais eal kind, the whali of wing fame w: all Other Brola tile alhalist, butits his is of a few liar hatures and has bun called the his of berions or the and of Phorphorus. But how is this hid formed, It what is its less iny: animal Chamony & it arise from a Degeneracy of our Hands



of the Blood all these are nues tions we cannot me, tind to answer. Jam aft to think it is not a morbis Phanomenon. imagin it may tend to Distolve the Lymph de las to form the Levority, as also to heep the whole made of Bordin a fluid distrolved State. Dre Laction arises here I that is w: is the Proportion w: each of these. parts of the Blood bear to line another? - many have attempted to explain. This Lucitions but Ithink w. little. Sussep. It differs in different oustitute:



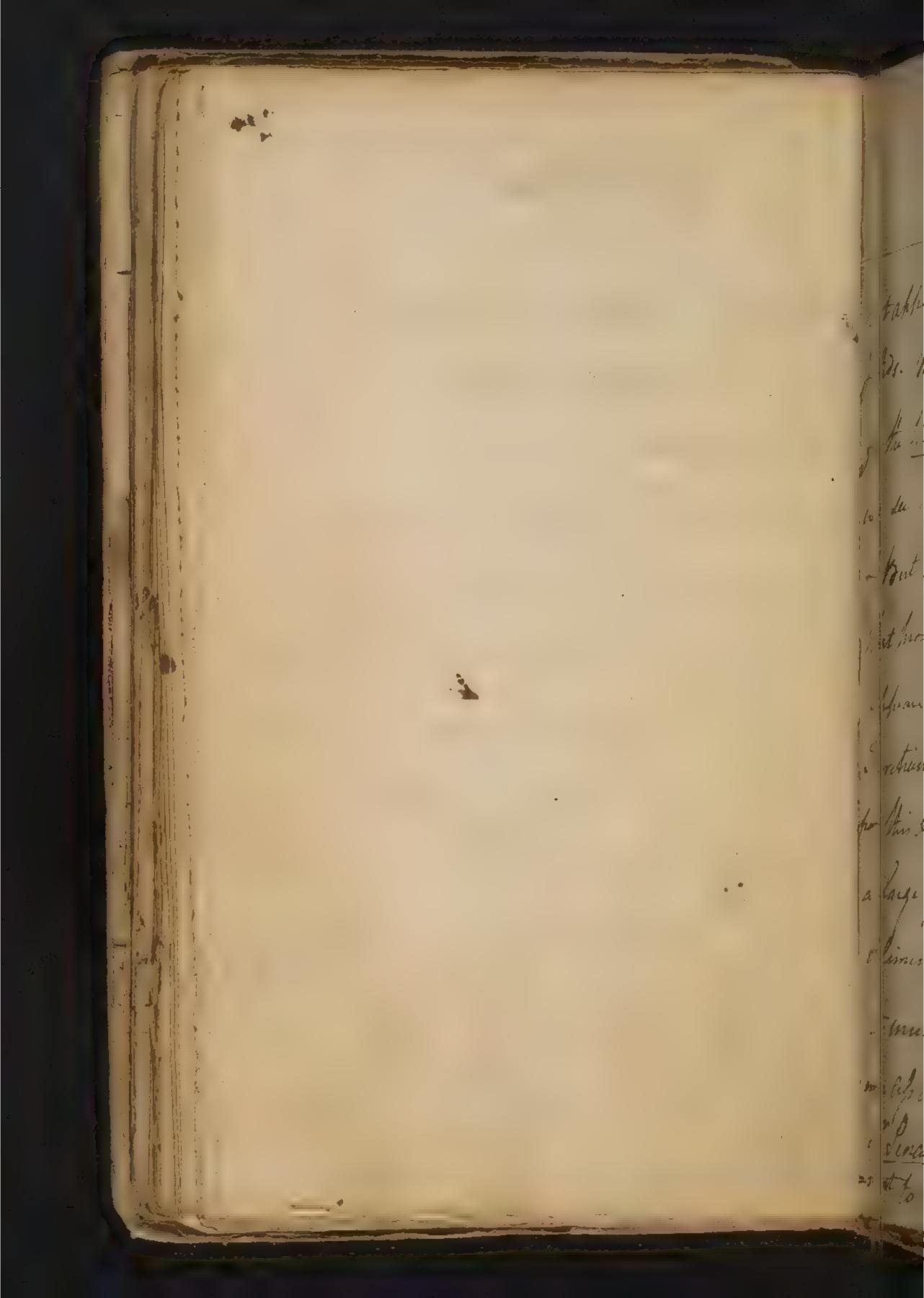
233 of the Blood is movemen very difficult to procure of each of them in a depirate flate coafit e are they to be diffused w: each Other. Lac The Red Globoules appear to be in y Smal. : lest proportion. Innow of no Experiments that ascertain the proportion of y ayouther L'Inority. The Lymph is in a large Proportion. w: Pagais to the Ples Globules. it would be of little Consequence to as if we know this Relative Proportions to each Other, as we- could hot till when this Proportion was destroyed in Diseases. What Other Matters are contained in the Hood? Same Suppose The



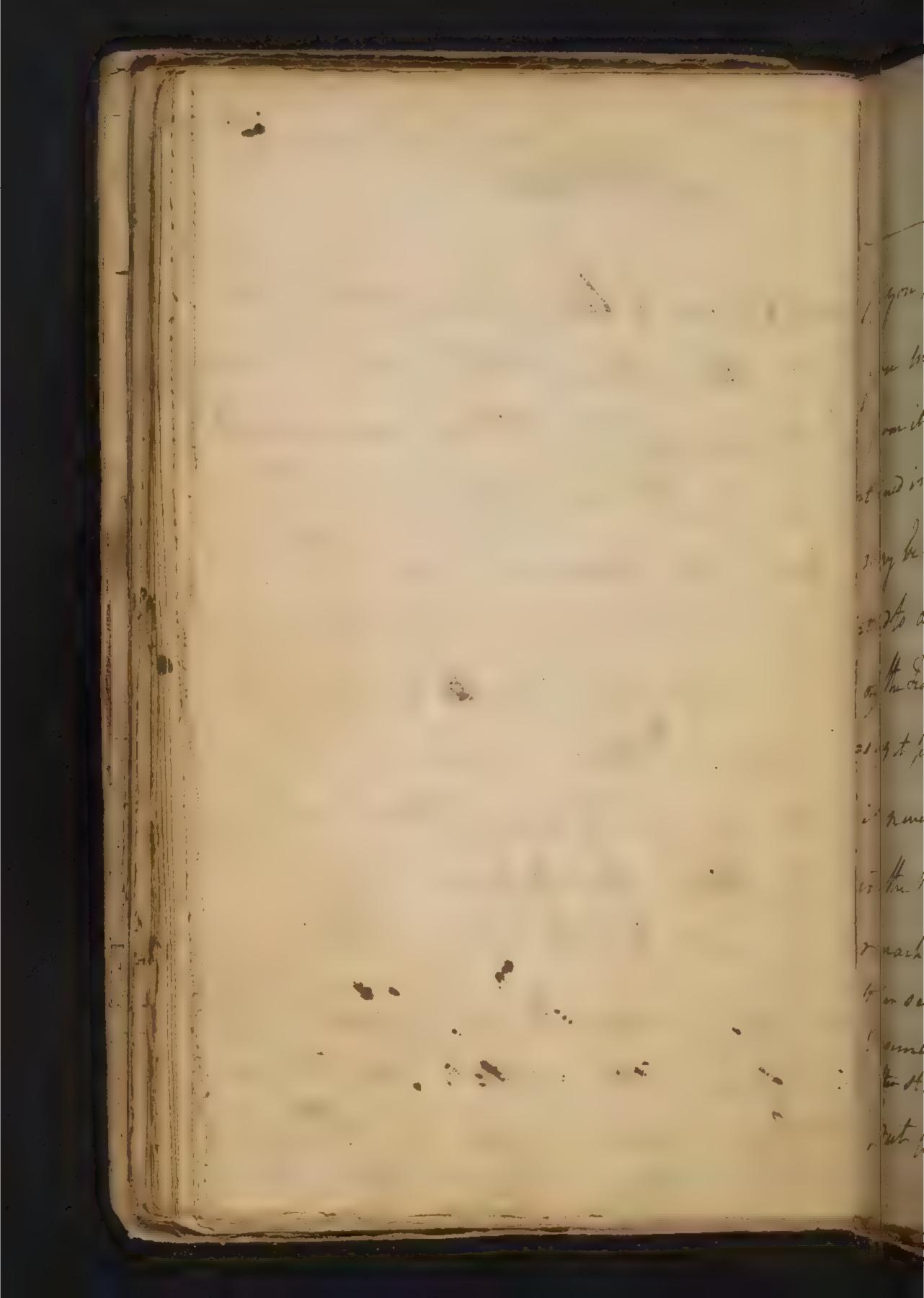
234 of the Town The ought to be considered as a part of the Blood. But the Evidences of Fresence I this the in the Alood are not catisfac tory. The Rotion of its prevailing in The blood arose entirely from an Ignoreme of The Parture of the Holord. Congulable Lymph has The leive been mistook for it. Juill Will however allow that thy be may be fore: unt in our tolowd letter it is not Abourved injour Leaves. but of this we shall speak more une after when we breat on y heilh. Fur Filmids w: circulate in the Blood, : befords may be divided in 5. parts i aliment not quite aprimilated 2 albumen, or coaquelable Lymph.

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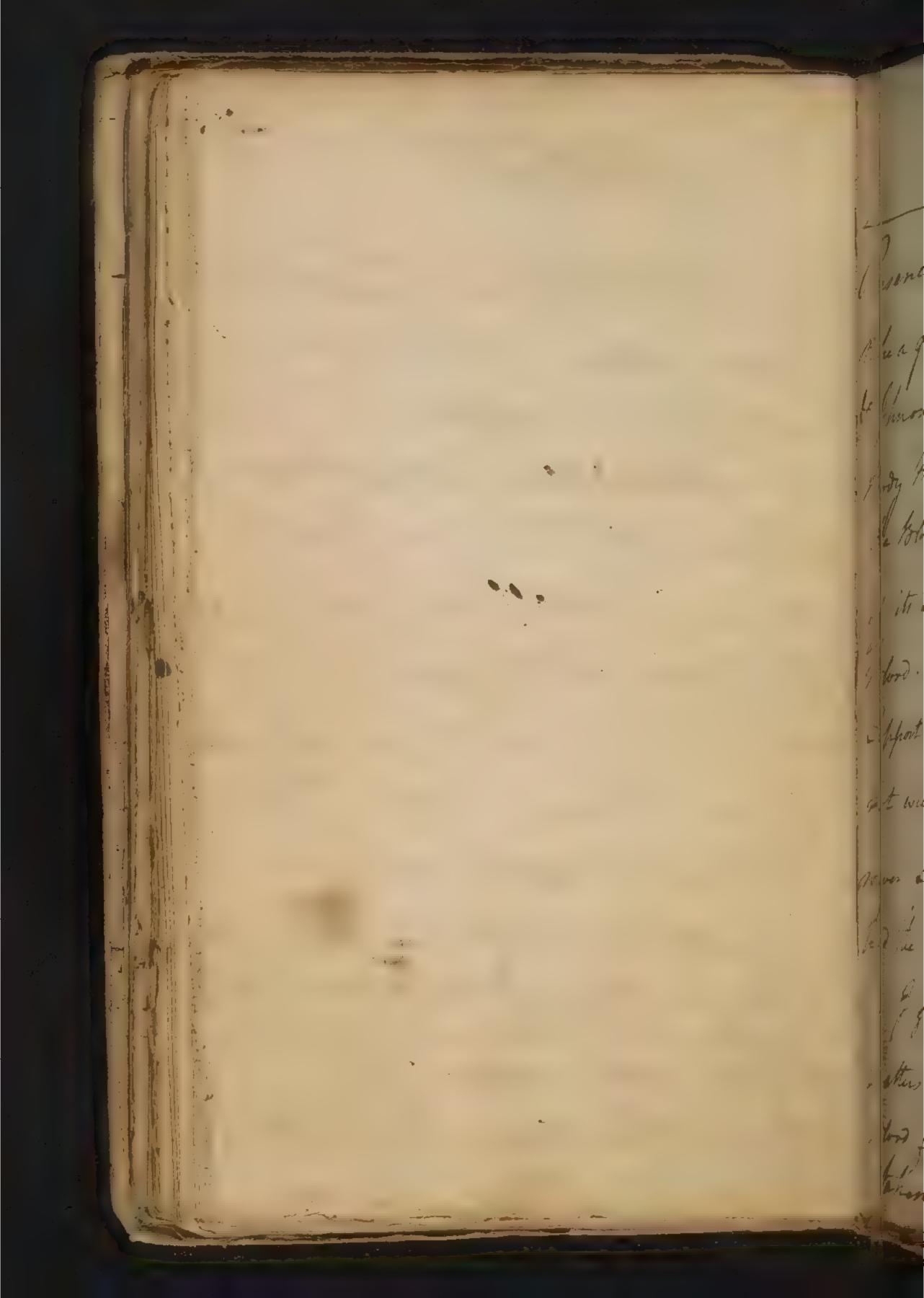
of the Blood I albumen tending towards Servity. is descrite, strictly so called. 5 Rud Globules. To these 5 parts D' Linas addr 2 more. Viz a Gelatinous & Inneous Part. But phrow of no Experiments that Show us any thing like a Gelatinous mather in the Blood, only from Theory, bry: The hature of the tolide w: au gelatinous when resolved, & wi are formed from the Blood. Besides even the Gelatinous Matter of our Folids is promised any by administration tion of their constituent fracts, & Low



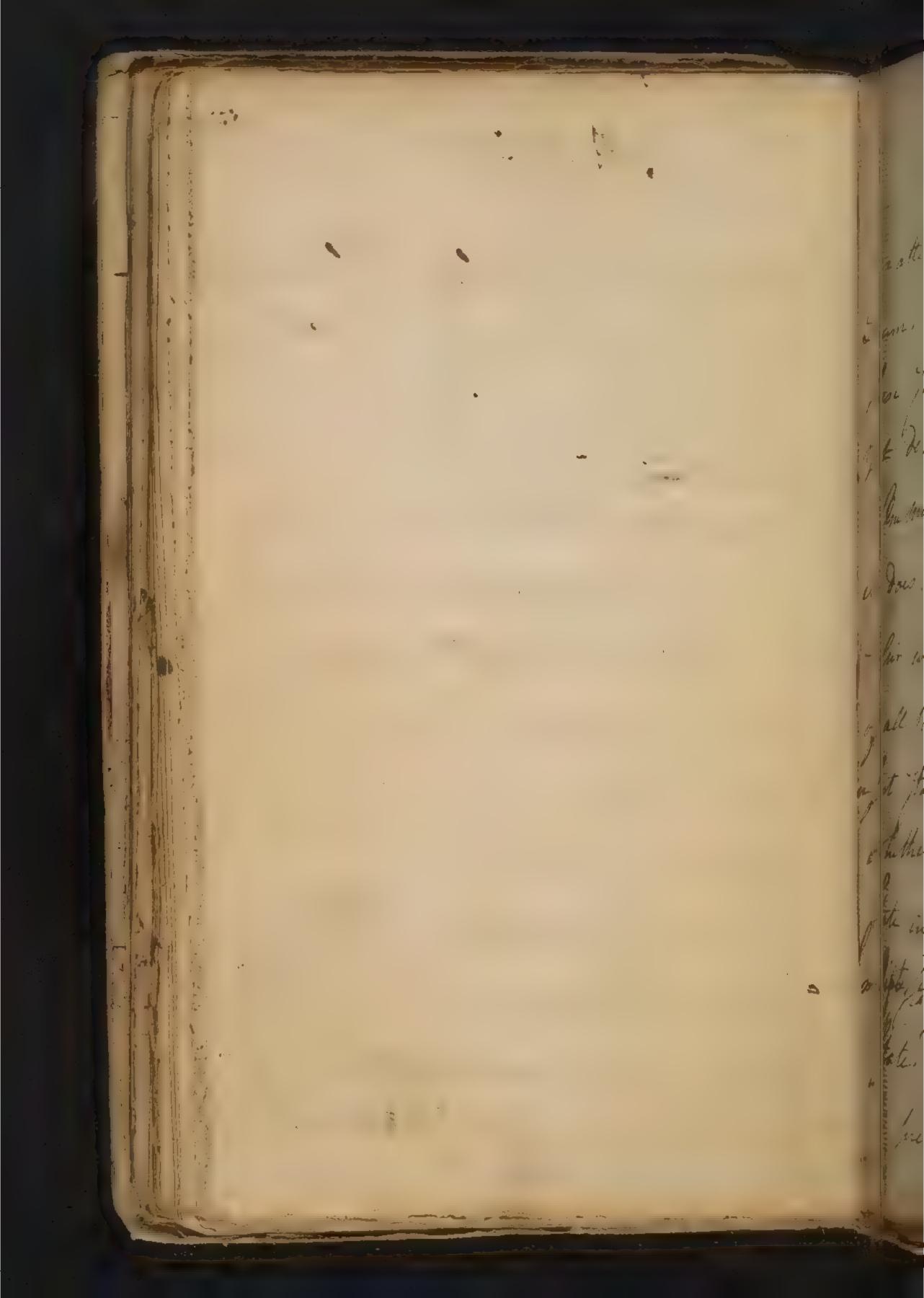
238 of the Blood not appear to pave prisaisted in the Tolids. There appears to be more from dation for the Mucority he talks of especially when we see how much it abounds ing Lystem, - But hotwithstanding we have no Husiments hat know its Existence in the Blood. It appears to be the products entirely of Levetien. a Haller endravours to Sup: port this Opinion by Jaying that we take a large duantity of muno in w: our bliment. but this proves hothing for it must certainly undergo the common less invilation of all other leliment. ment to confirm his Jupportion. Mutis,



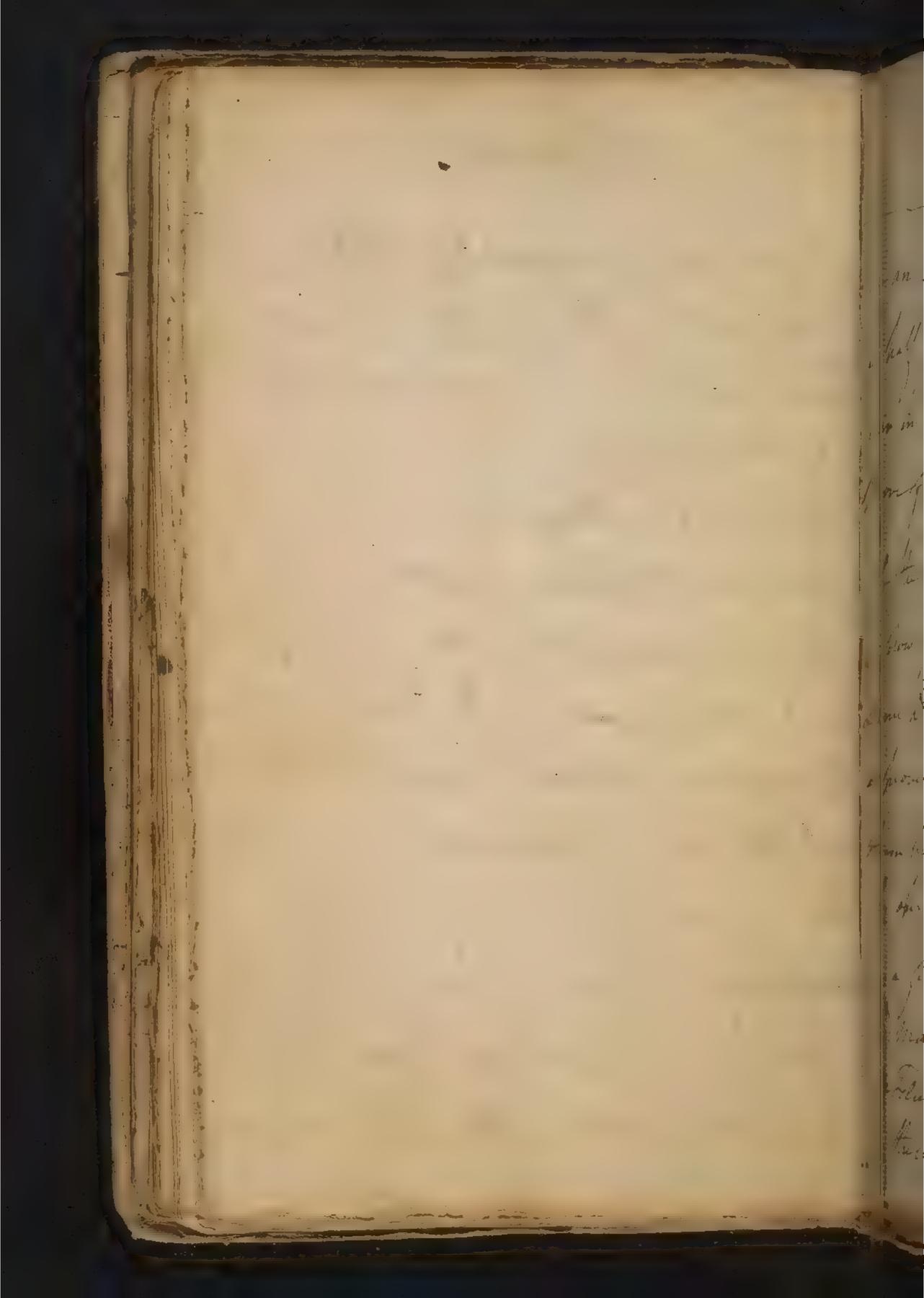
237 of the Blood I you prefo the Homach of dead animal you may oqueen out more Innews from it y can be supposed to be con: tained in its Follieles. But 2 Phyentions may be urade ly: Fris. 1: we cannot pretind to ascertain the exact Line or Capacity of the Follicles of the Homash & 2: Suphosing it profued out in ever do great aquantis it never would have existed in & tate in the Poloso, for all Leveted matters are remarkably their when fint hound with Then sendral Glands, & home searce any Resemblance to y oromin w: they appear But what shall we day to the



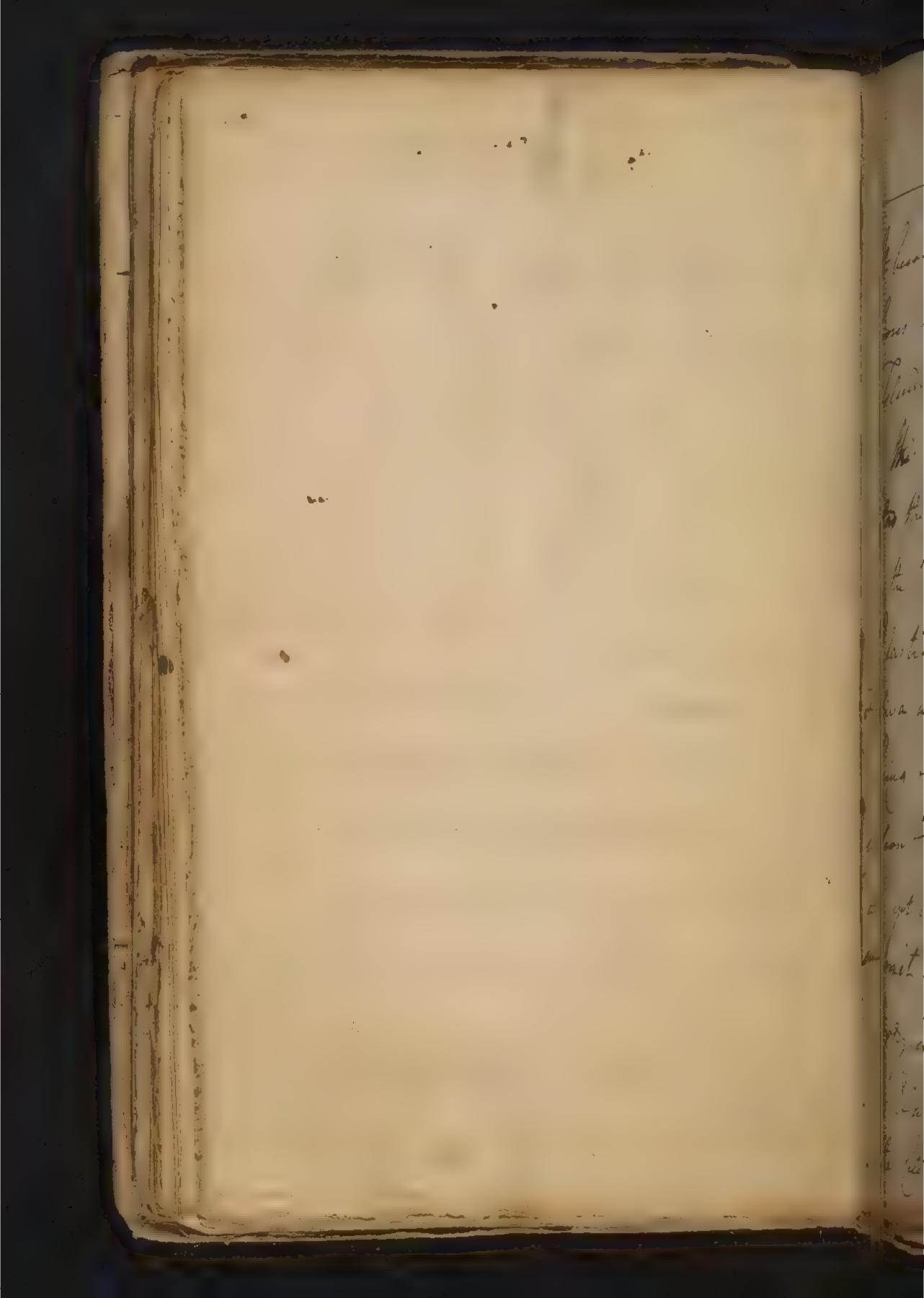
238 of the Clood Tresence of Orl in the bolood? we certainly take a great deal of it into our bliment, to how of hothing in the Fluids of our body that one capable of mixing it with the Blood. But still pe have no proof of its existing formally in the maps of Polord. The Frank Defaller adduces in Juliport of this Opinion are very for &so, not well lettested. for my last I have never seen Any Fring in the Moss 9: had the ceast Cesemblance to only matter: - Frant theore is a barity of daline matters present Dussionally in the Tolors from miritianes Hother things



239 of the Bood Me atters are Ordinarily dissolved in y Frum, but withe Chesife hature of The falts is no theriments have yt determined. On more Lueston ours here It That i does om Blood contain Air? - Cur we have enters into y Composition of all bookies, and is then said to being fist state. But our Inquiry here is Whether Sur is present in an Elastic State in our Fluids, or in an intera meditet fate le hours a fixed & lastri State: - I think we have Meason to presume it is Often mesent in



of the Blood in an Mastin state, but always in a half fixed state. Water contains Pir in a semi; Lastre state. This we hove from their of the mejoure of the Itmosphere in an his rump . Thow finagin it is present in The Same Degree in animal Fluids. Fris is promed from the hir extricated from them by Perhelaction. It is taken in by spir Aliment in great quantities in a fixed thate. we cannot tell in w: manner the his escapes from the Flinds. May not be from y Lung? - the air in the Chyle is y most Partie.



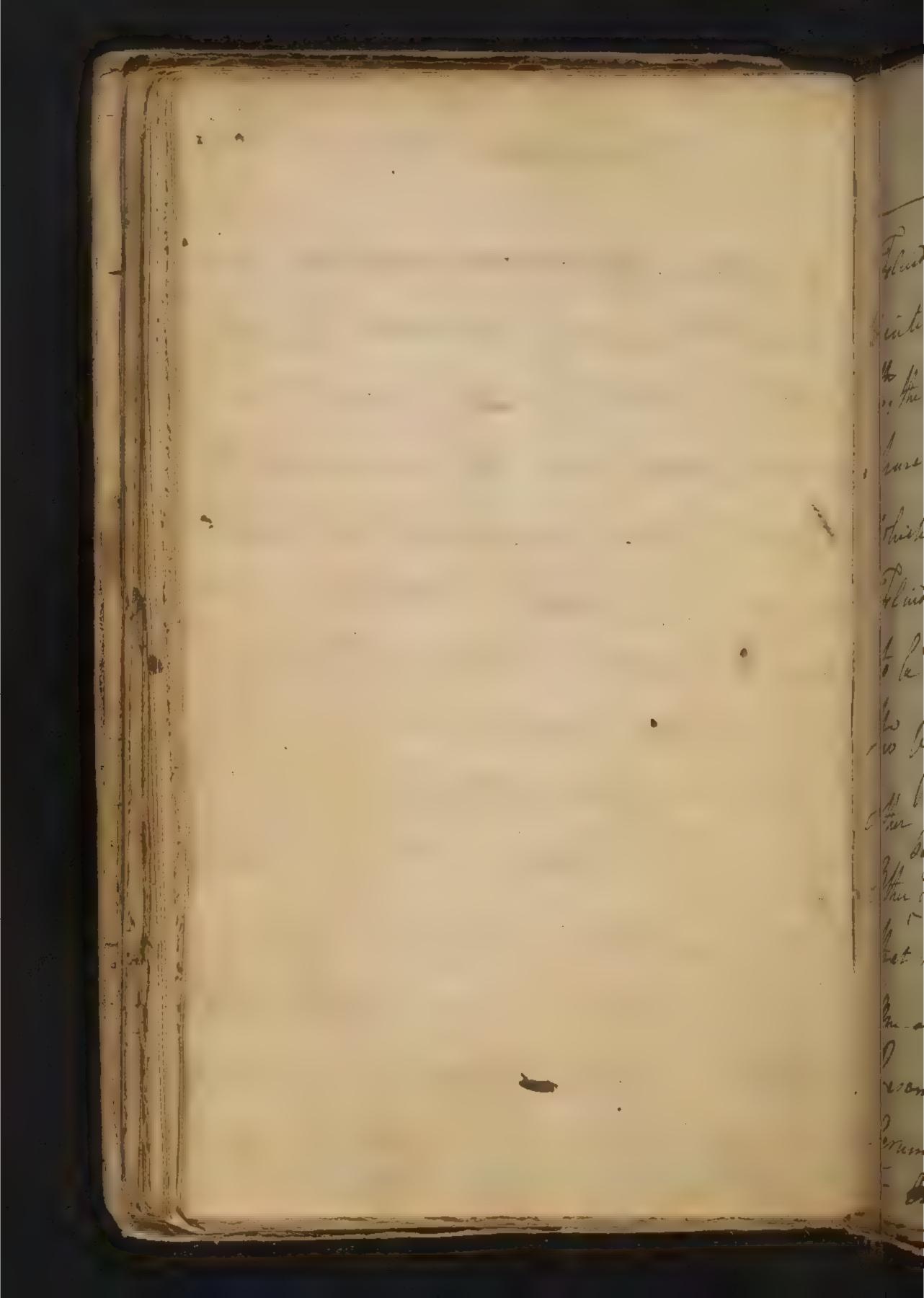
241 of the Blood. It besomes less some of last looses all its leasting in the Cecretion relieved smore experially in the Strine. This would make us believe that in the air was looring its Hasticity in the Molorid. But we find it in ann Clartie tate in the miller Bille - and taliva which may seem to favour its being rendered Hastri hy the Lyrlum. whom the Whole, The July est is dain, & us yet we can say hothing precises sponit. There is Bue part of the Bory w: Leumo to contain Rivin an Hastri State mufeavily, bis The fillular membrane this in James

+565

242 of the Island from Imphysumas. Mi Jenas Days hir is to be found in every fellulan Mamarane in the Body. Their hit appears to be highly probable that Trans is a Lecretion of Airs air from out orbined wi is fromied But in the Mulular Mesmorana, & that many Diseases hot yet described may arise from a Leperation or a haut of a due Lecretion of hin. This there wishes Bur line: of the Blood, or circulating Teluid. all the Other Thirds of y Body are formed from them by Argens provided for that purpose. This function

A.

243 Jecretum is called Tecrétion which appears to be the most considerable oruntion of the Animal Ocomony, and Jane long to add One that we understand hast belowt. By Tecretion we understand Fluids preparation a teterogenious Imap of Ferios by a him of Colation. a dues tions Busins have in the first the Lie did the Lurited Felicia preisest before in the bolow? Or are they formed by a hew mistrine? arto The first of these he have buffindly rejected it when cours idering the coursti. tuent parts of the Blood. Thus for we may allow it to be true, that the



2hh Jeantion Fluid weashale from every external. Vinternal part of the Body, together w. the Unice It Iwent appear to be pure Leveral Isp. Which establish the Milation. Mitoe or linds then Streetly speaking are Jaid to be secreted, that is they purpost Two beforels w: refuse a preforge to Then hants of the Aglow . But no that resemble them in the Blood. ho One can have any Justinion of the Tresonce of Bile of the Blood or ofthe - Store from Suppose y burnted

1 5

245 Secretion Heliede exist in the Molow in Those parts w: constitute them of the Bis by Mixture when they arrived at The Glands. Thus DrBoerhauce mahrs The Bile to comsist of Sil- Cellealine falts He absorbed from y Burestum H or seed. But this is contradicted by many de acto. Whom the whole then from clude There is no Foundation for y Oficinion of Decreted Felinds preisisting in the Plood. nu must then look for to the Deginonation of the Glands to hu? for Lecretion. Nor mustordure.
our Fluids to 2 hinds i Vily & 2 frating.
The batory harts ofour Fluids may

121 This is remarkable in y blood in an Grobenia Minalis, in w: -hole Discuse even y pores have fround out Urine.

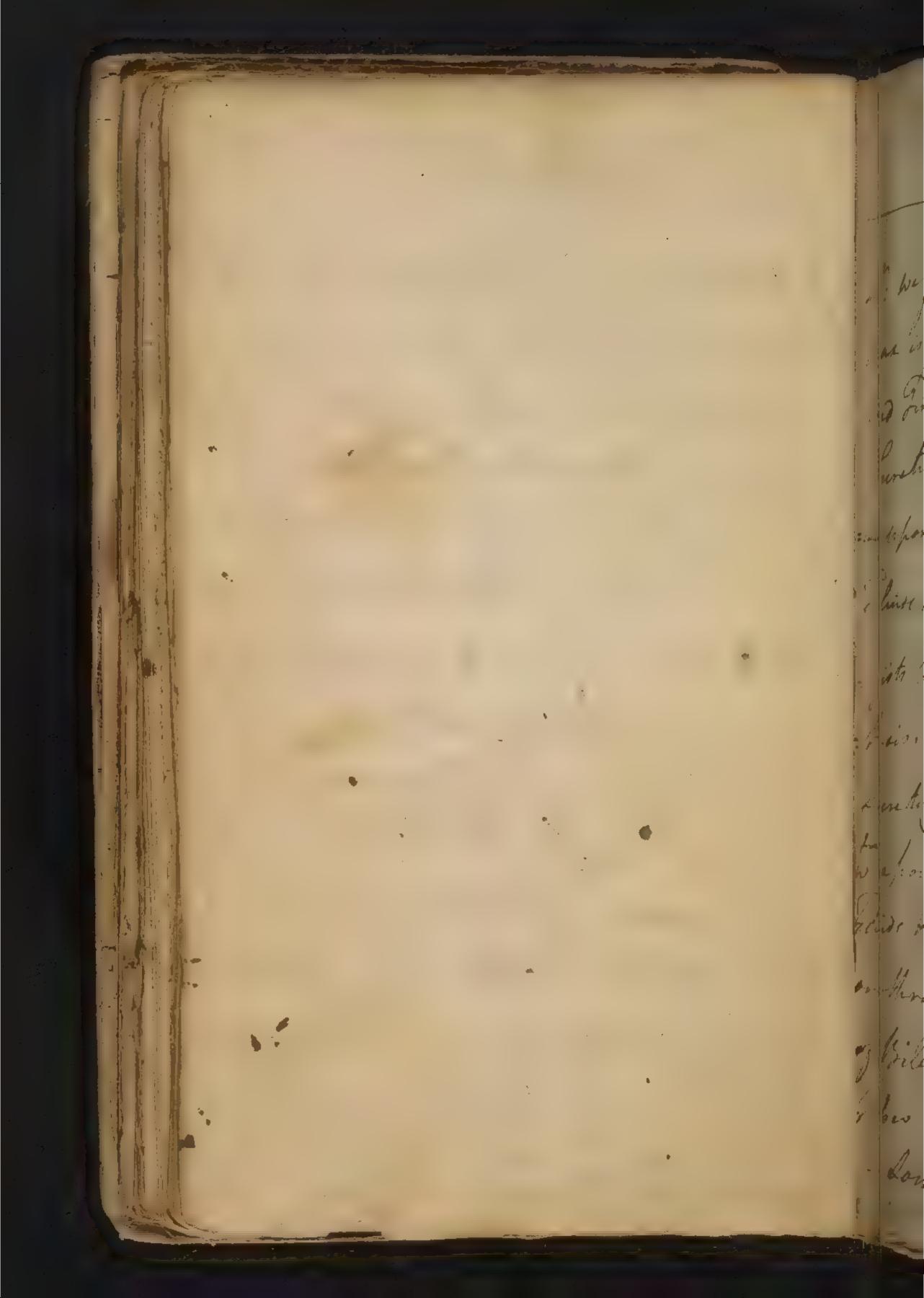
Secretion be divided into 1 Lymph 2: Mucus 3: Such as are impregnated w latine matter big: Urine & Perspiration. the Bily matter are more difficulty distal - hochaho the Mill may arise from it. - But funnot concine of the or of Ceramen Amium arising from the. we must then resolve their from ation to the hathere of the Secretions Ingens. we have no bly waterns y: Thow no the Tresume of Bile in the Blood in an Astruction of the Jeenstrum from Shirmonity or mollamation. we must then allow that it is formed in is secretory Organ itself. we see

me to Lear the h : giv Laeston · 4 16 Polle

Secretion June thing amalajous to this in Illants w: from Ine queral Filis are capable I Leave ting I be or 5 different puises o lo: is the hature of the Secretory Organs y: gives them the hower of forming such delicion? - this is a most difficult Lustion. Some of the Glands consist of a Livies of decreasing befuls. Others have rollieles interposed between y lunting Herentory befords. But we must attend to the first Housteine Buly in accounting to for Leave tion, for that Irlinor are always deen ted before they are housed into The Follicles. Thall we call in y: Difficure of whenture to Bus indure.

plo ٠. 12 deset Low En fini

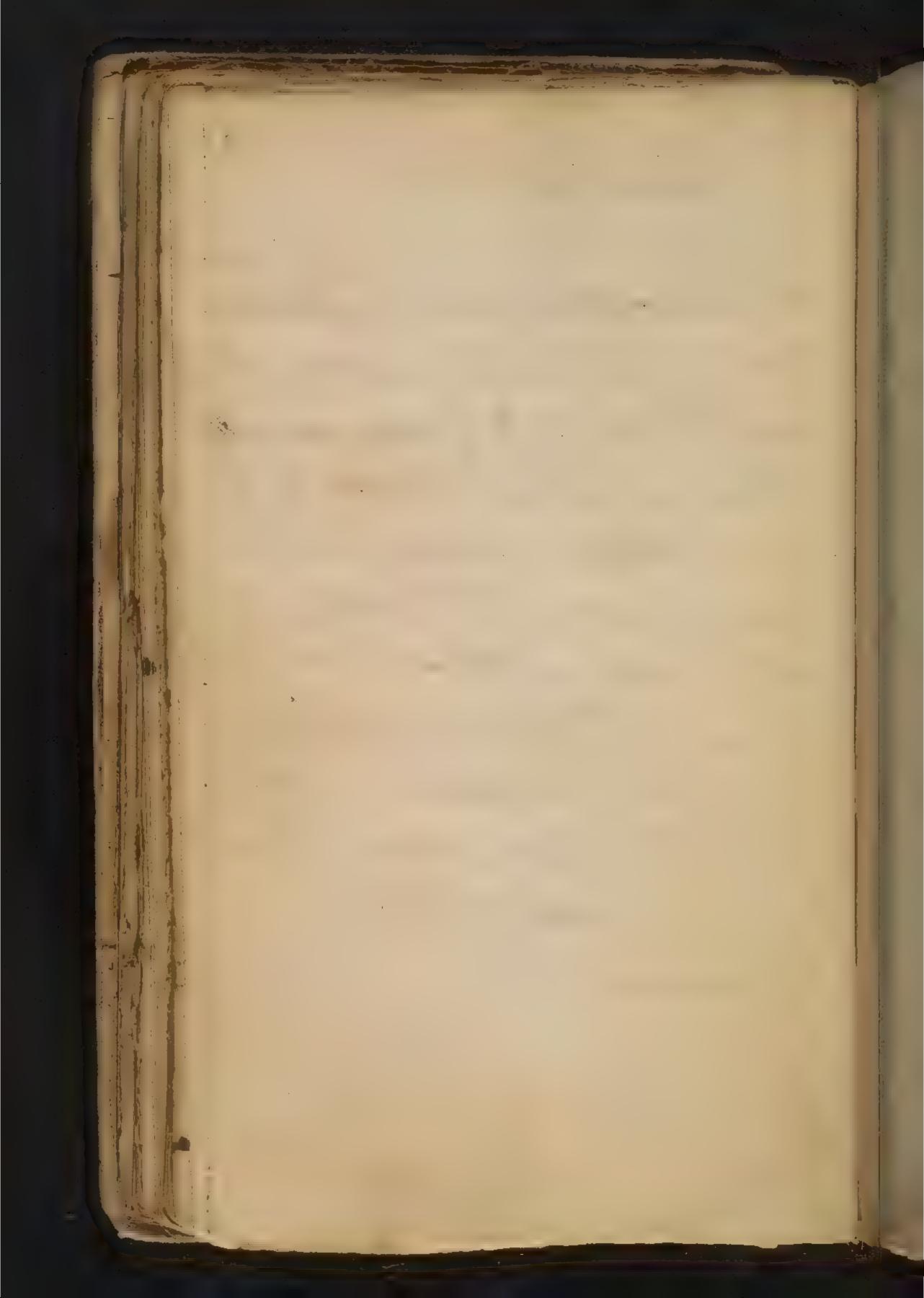
248 Tecretion refords to aux for Secretion. himselfthe Leason Why the dentions in Phildren an Diffirm from withing are when they from up. But ? ha find the Leve trans altrid by influctions of the hurrons Lystens Sich tind litter to contract or enlarge The Apertures of me Clands. This is wident in the himbid pale Mrine which tollow a the som on y hidney o len an Hysteria. 3: we pind the June tim chan jed by energains Imhetis of y tolord whelely proper matter has theo tome flands than ordinarily do shuhas 20 Alobales w: furnis for a d'hrang Adams on & Difficure of aparties.

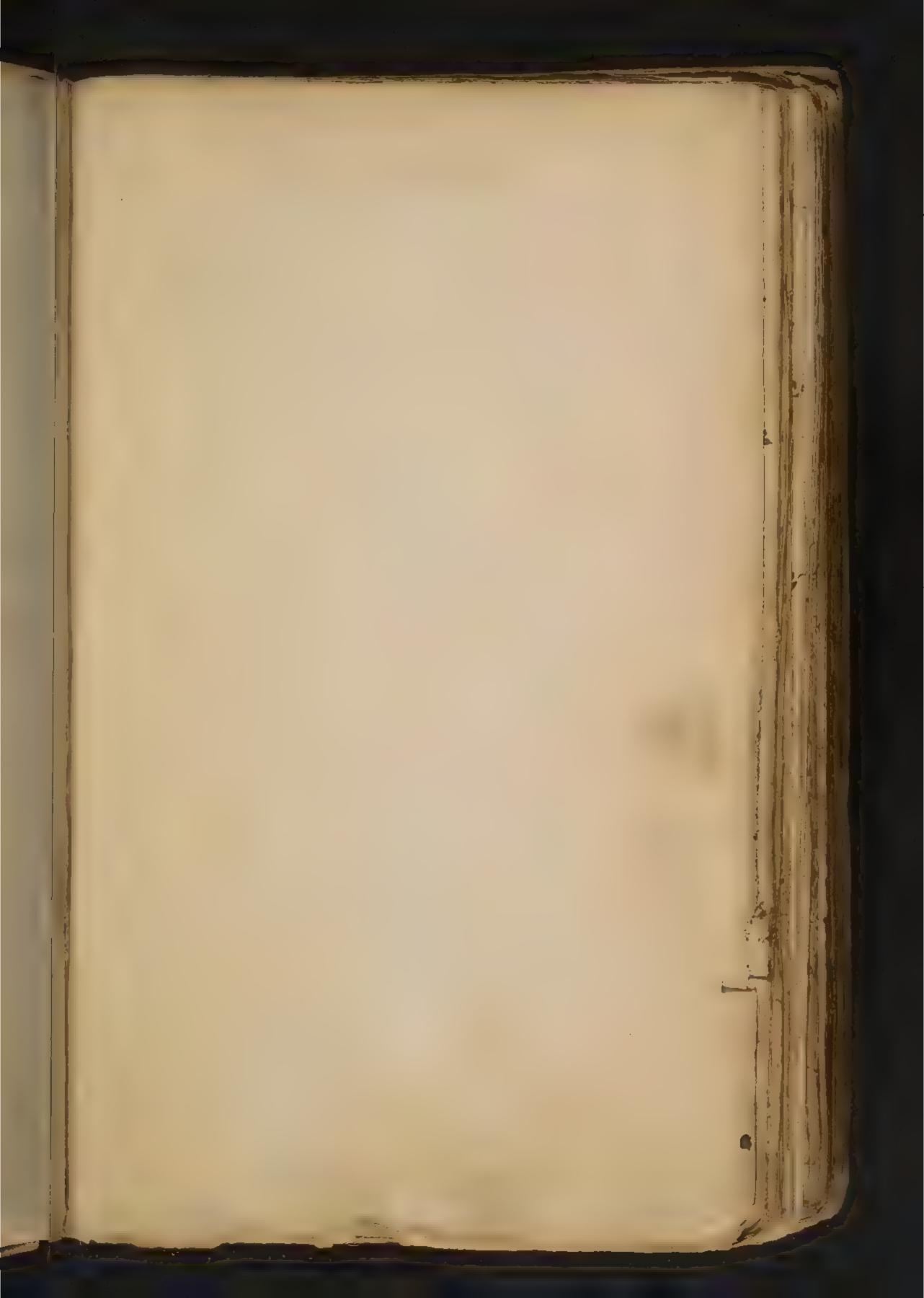


Jeenstuis 4: We find in lases of Injections the was is Aften injusted without the ned Fineturaf w: Thows us a himd of Terretion. But all there Arguments prowo infrom a Supposition of in Secretory relinise prinzisting in the Blood. Physicolo: gists have therefore called in Bother Hypho: The sis. Winslow Supposes y: The Leeri Korry befret are originally andowed w: a power of admitting and fort of Thirds It repelling their, but this is one thrown by wiwe de in intare of Bile w: when differed in y Blood hapes this y did ney , realizary glands be. Lowe Otherfromers of Mischer &

Horn to au mere place yet is uppe Paces.

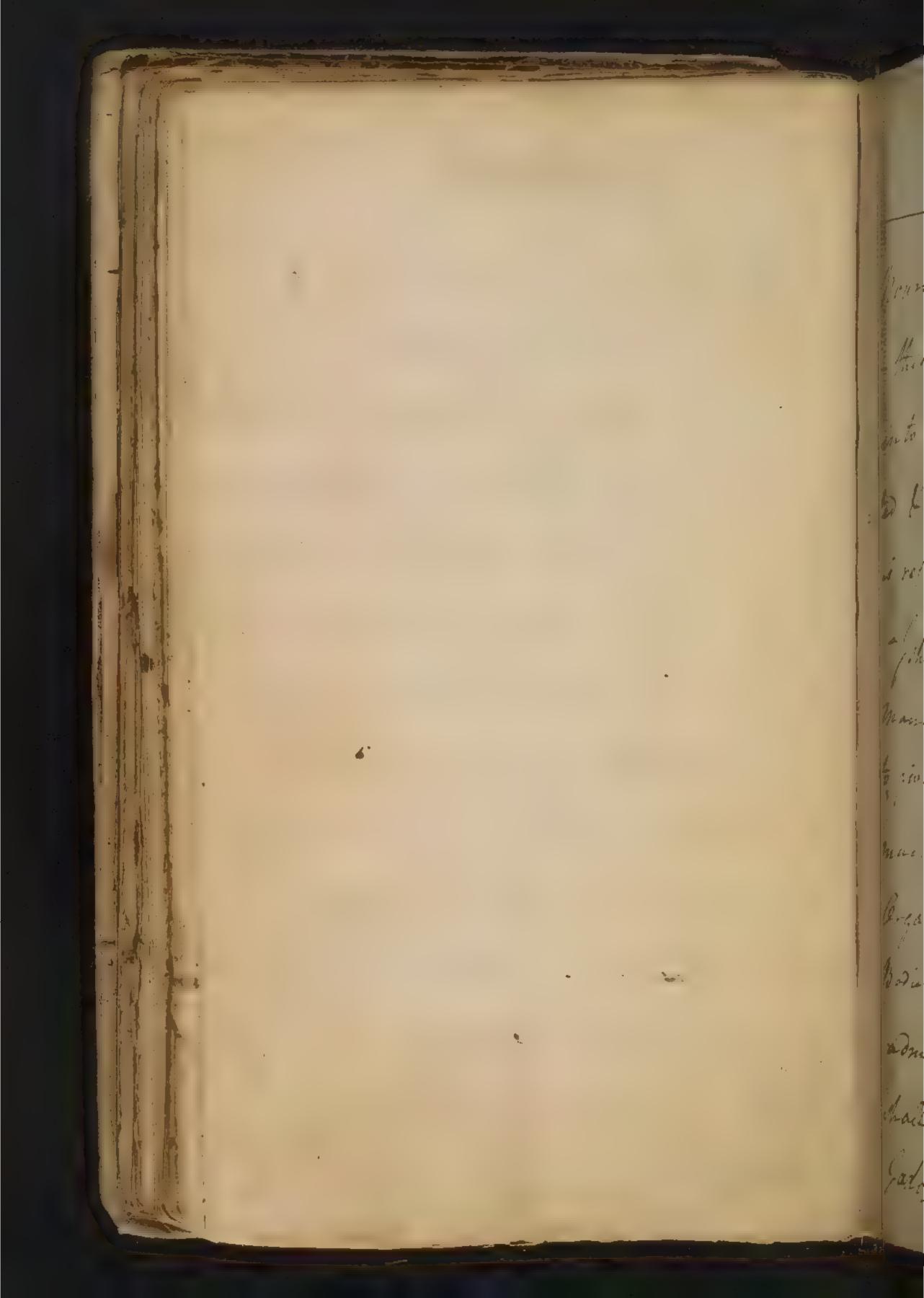
June Tron dermentation must be called in to an: for Leere hon as well as The more Ftructure of the Glands, especially in those faces where Forollistes to be place. Altho we have no onstances of Fermentation in y healthy Body yet we have in the diseased . Pus appears to the formed from Jerum secreted from the 18 lood is is it toward, change in a hormantation due on myalus

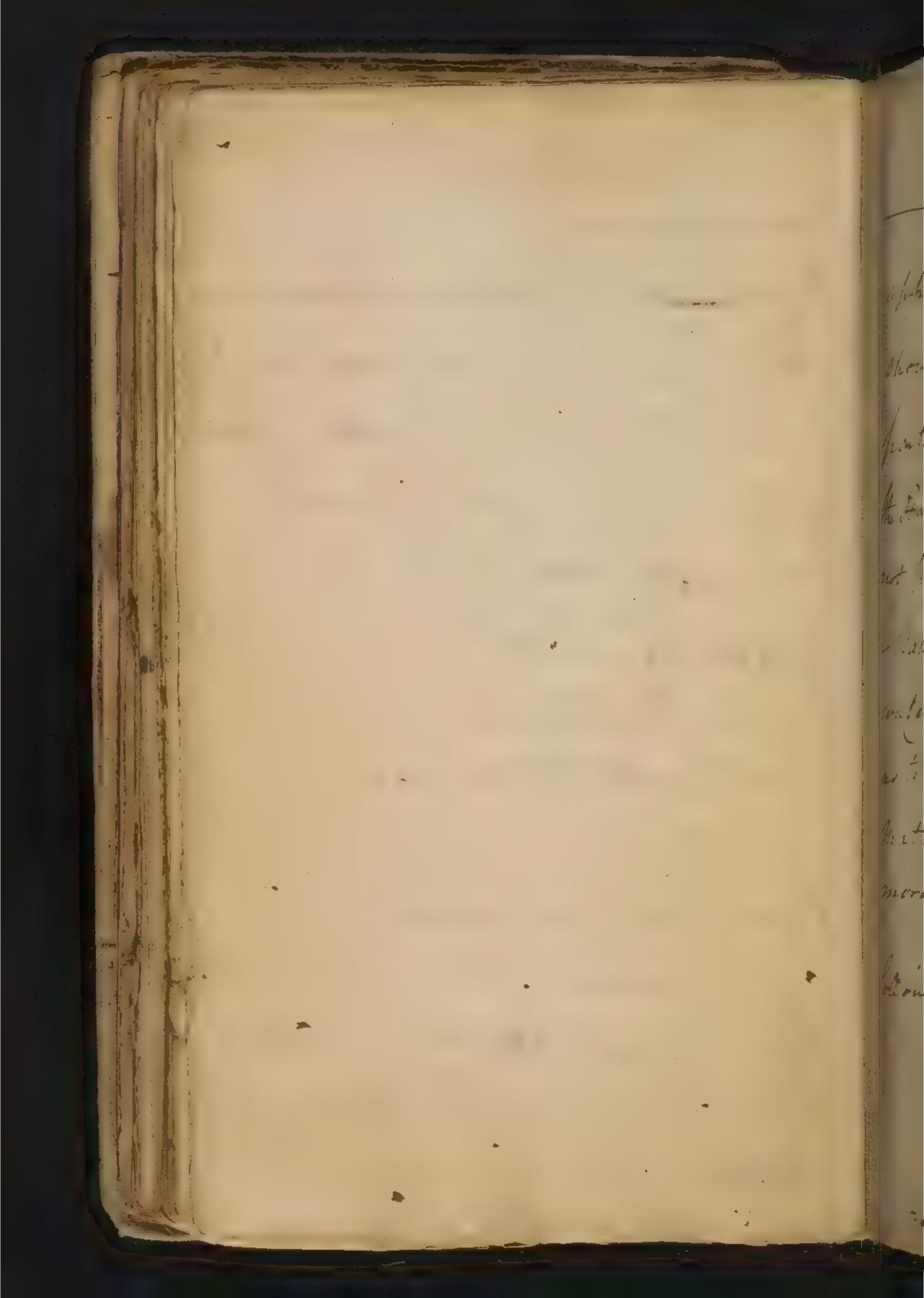




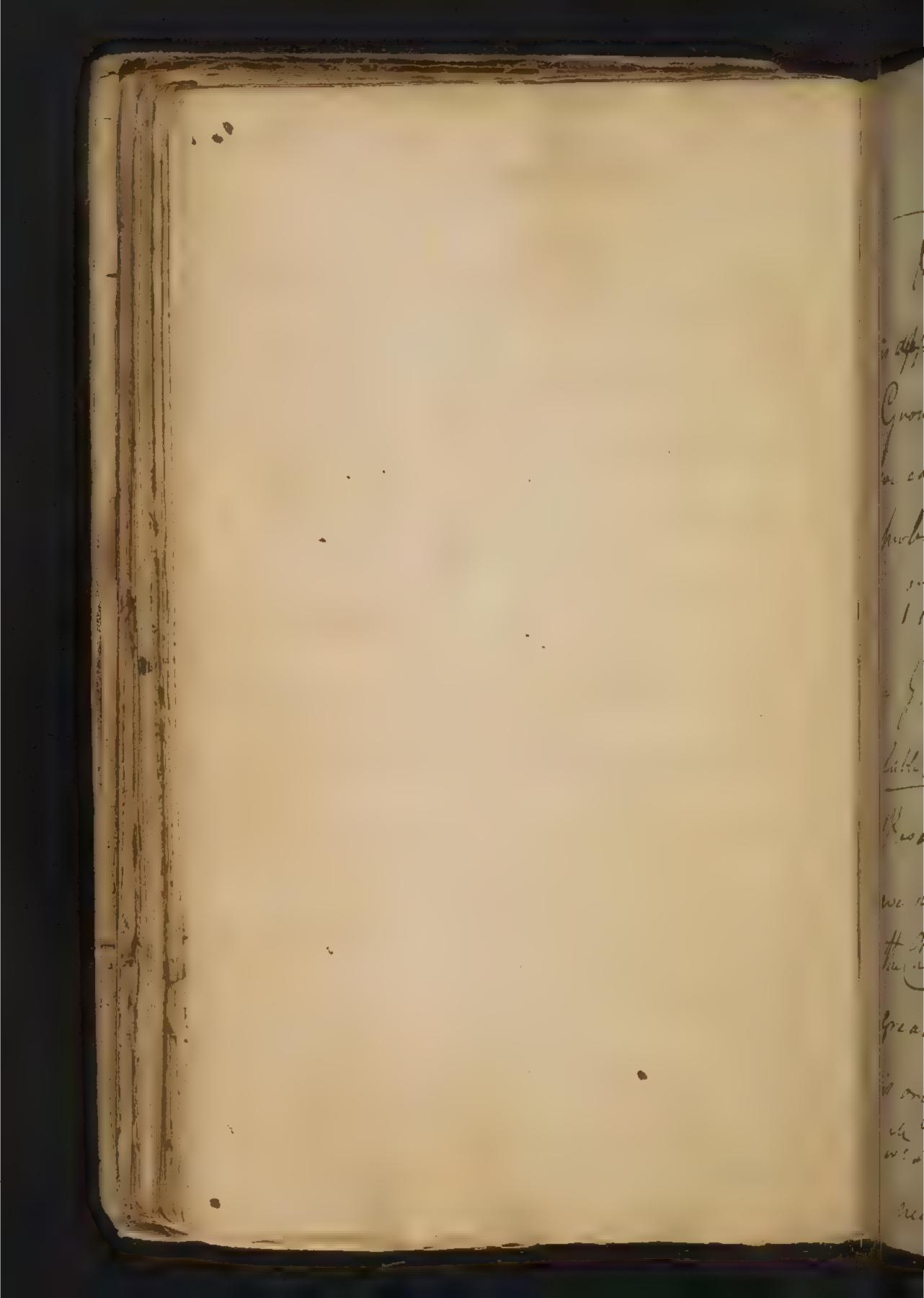


251 of Mutrilion. This ful jest woundrocher de whatever ! relation to the Luchert of the malter of Le Mody. It may budivided into 2 , rants the Juliport of he glaid harts 2 into the support of the bolis hast, of the Both. The I Defrands upon Wil invest being taken in to if Body, & converted into hourishment in the mannon we have figure described when theating of the Chylopoenis of to Roma wasis of shall therefore only shout of the promishment of the Tolids. we shall i enguine whatfint of the Fluids and philips to

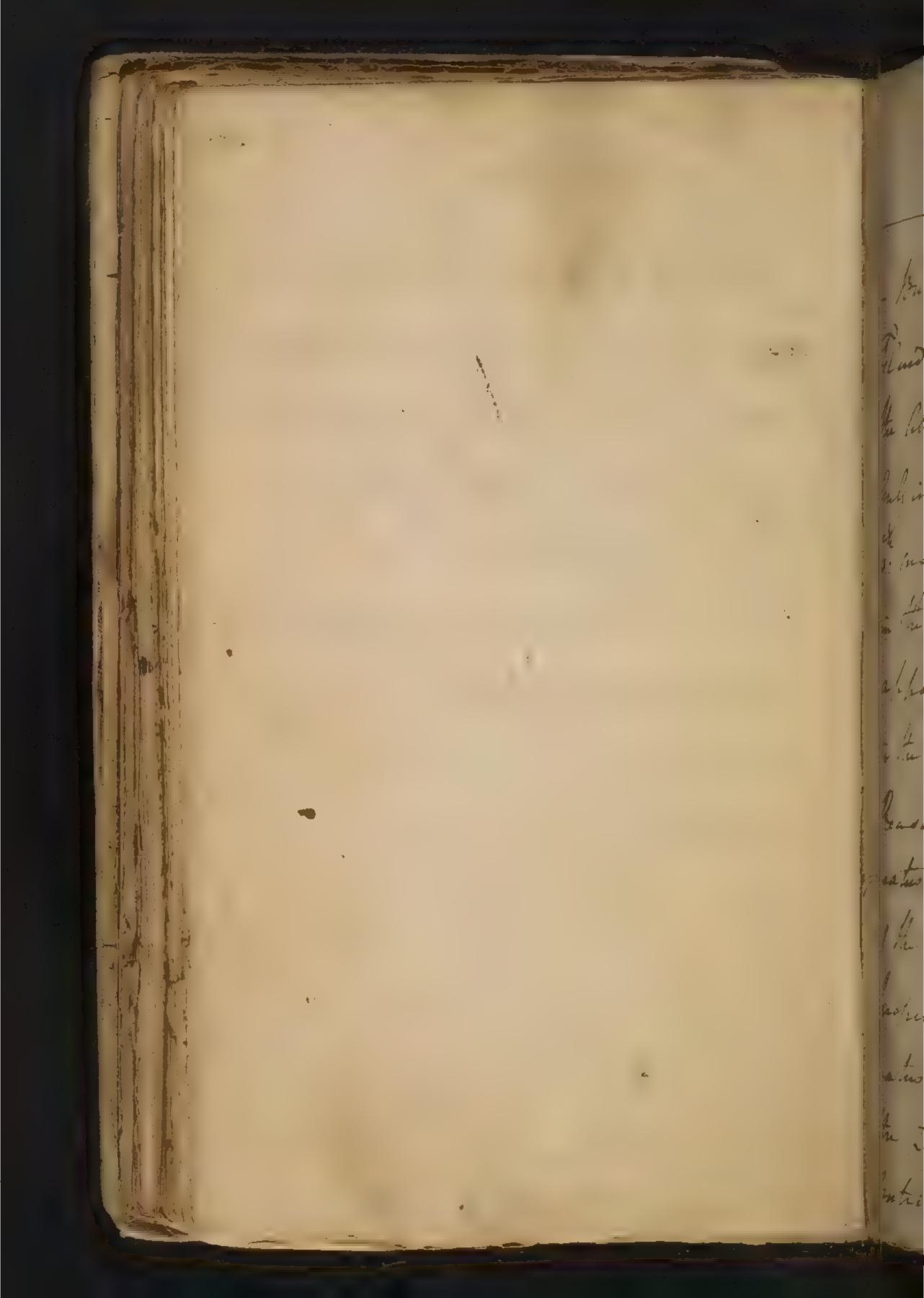




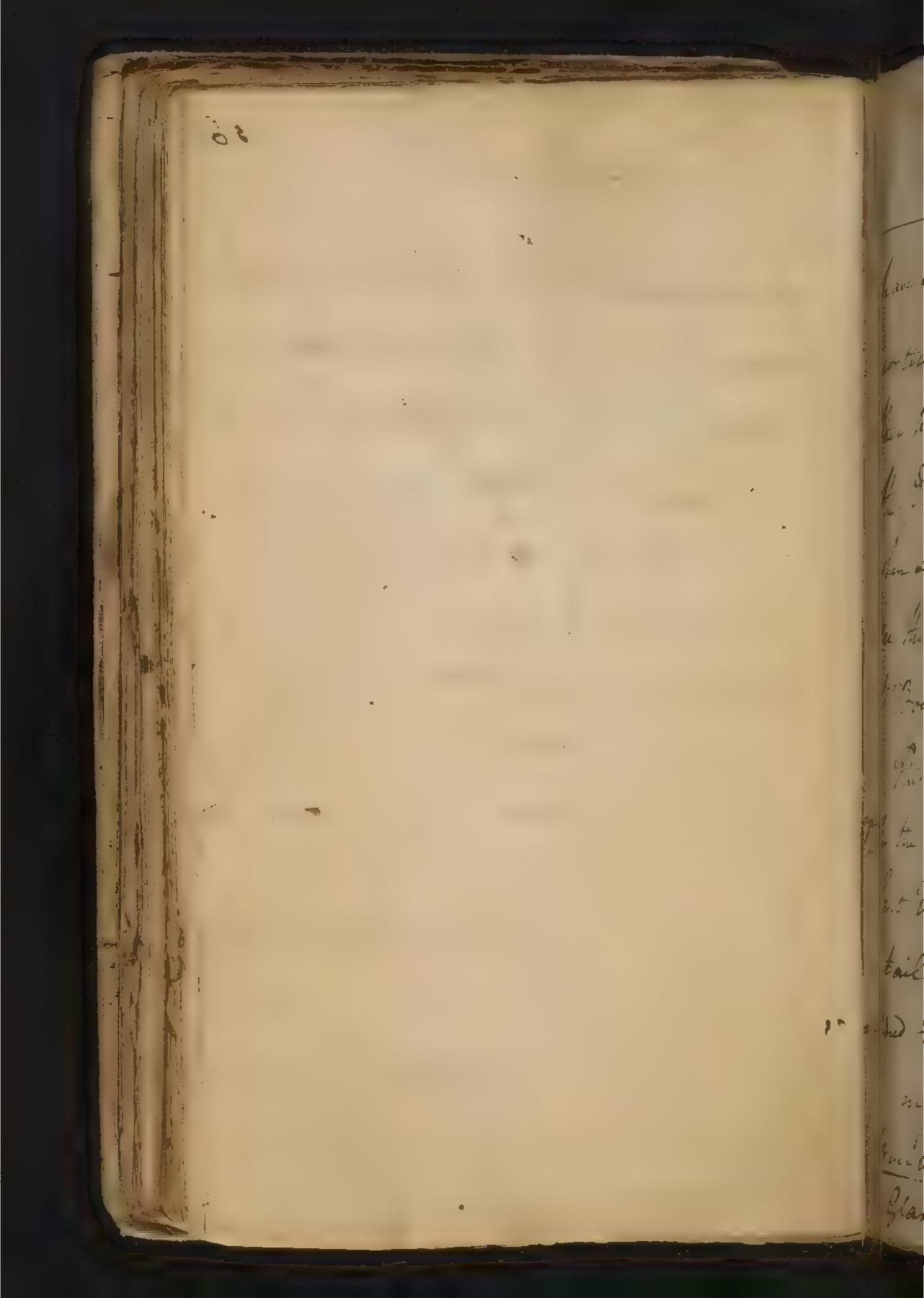
withition. aphean from the Arong with Growth Thowing Marks of an Instantionof fronts fineviously deliminated. lilition the Hamine of Some fronts of the Body Did not fineixist duck as the houle yet such a Mature is originally given to the frants untegous to these harts of did not processed as to Betirmine horaciochy the come of all Matter alphio to it. de Misfulget miera fully diferefred by a tallen. I thate consider hutistion in the toll owing manner 1 w: is the propen hutritions fais, 2: Where this Filia is Leperated Sion wi is it how depended com - veged to i dinallest Fiches everywhere



25h hunition H4: How the Fluid we mouris hos is defelied to as to give of tension & Growth. The which is Dach, Hall we can intend to in to offen some probable onjectures on it. I w is the proper nectition of the ? - Ihavedaid hefore y this is is to age. : Labledyenfile. Mi finferned from its Resemblance to the albumen Fri which we know is the andy howishment of The Chick. It is always firesent & in Great Quantities in the Lystein . it is originally formed from our thinnet w! Shows us its great live, Halische tely newhary prosence in the frody.



255 Mutrition - But finfer it being the hutritions Thus chiefly from its lisemblance to Hu album en Bvi w: differs fromit inly in being a little more Filinio w: may have her y book of Jeerstine. in the befule of the ten. From this it a phears that nutration is not performed in the larger befrels, hor have weary Reason to suppose a duriting life haratus is provided at the Extremities of the betieres to give the Listem a mohen Dique of Flaidity. Some appar ratus front is neselsary to change the Lymph into albumen or proper mutritions Matter. This many Physiologists



256 Mutition have duppersed is performed in the cortical frant of the Brain, & herre They have outproved the hurres to be the Grenetories of this nutritions This when decreted, to all parts of the Body. de this enunciated more fully in Norden hasvirfnstitutes \$440-646. - This Doctrine has brevailed for mar 150 Tim the Schools of Physic. It aller is the first Who has oppositive hall briefly retail his Objection to it, as formen: 1' whine to embrace In Brecheaves Thinwing my i lingument in Luftfort of An Bour beaves Christian is y. the Bruin is a Gland & y: the homes are its executo:

141 the first thing Horance in an Imbrio & lya hi invocable is the He une dullany Fribres.

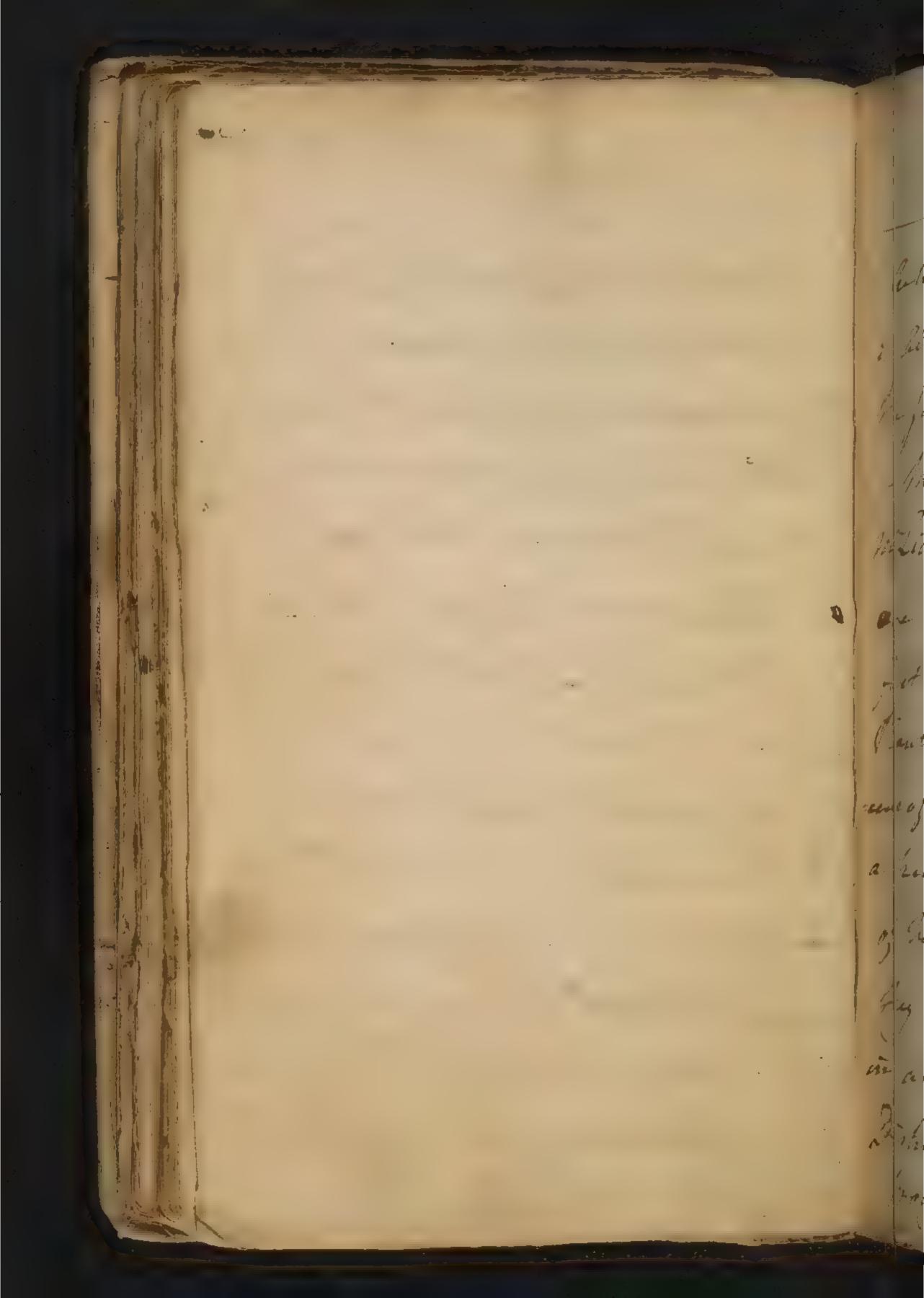
hu trition - the Hunting the Brain is widenty a gland of the Rugelian Hunture but I shall rest my Epission whom Other more substantial proofs. 2: Love rhause how proved y an Inclastic Fluid is luce: tid in the Brain, now les hefore from it would not be designed for Lense and Partion. it must them be designed to nourish the Body. 3: the hurus are the ariginal Stamina of an Animal Body Hall Burishment is applied to then Hamina, from wiit following: The Brain Hheres an hecefrarily employed. in Butition . He long frant of the Body aprears to have been withen Tribrows

121 Detaller tellow is whom more watig the being they appeared to in cellular Sent he forgets y: Masseration may Lave destroyed hier reg times & Ataller 1. timeself would us is the Bones are formed from filmon Eassina. Mis is Lowden ! ... that it may be sumin y manium to matter hims effection it is owing the the Fibrous thereties the Tendors for

Muhiton or fellular originally. The Cellular Tracts appear to be formed by an Ofter her notion. This is dominationes evi; . dent to our lyes, distanced from is Phanamena of many Diseaus. It is always in a determined quantity in all animals !! of the same Thanies . This only canding unton Framinal Libres Directing its arrangement. But w: Ihall we way to The beins " they have dome tetz unjus home Fibres that are collection. but negative wider i woode avail hothing. we find a Librous inm. Thusture in the Dura bratice w: is capa, ing : ble of forming to fillular Africanus The briens are Originally Filorous.

tive know were and muscular, & were profreshed of Lensibility of mitability but ing age weether bothe together with Their Sibrows apprearance, yet sundy no drue will duny the being originally

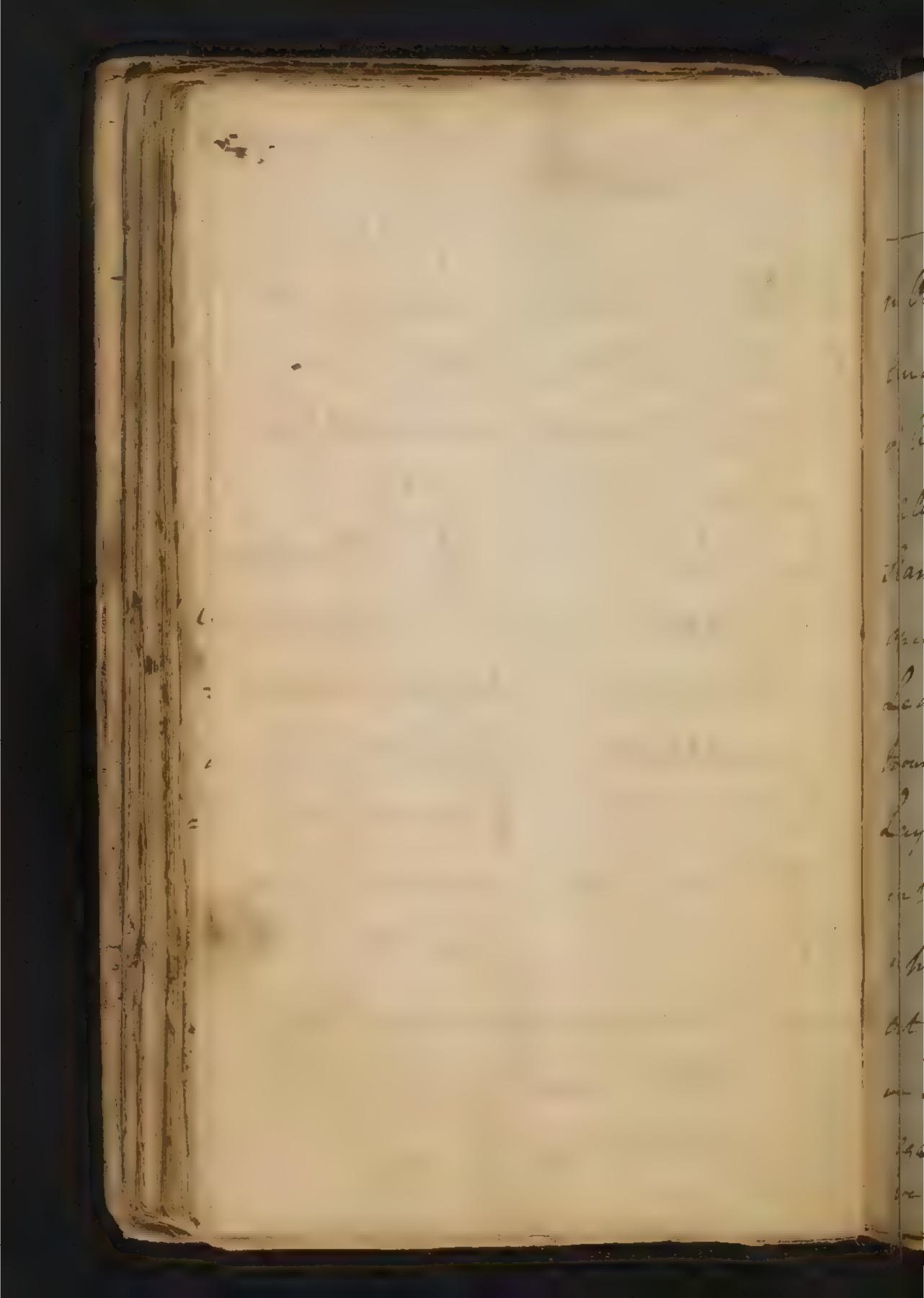
Mutrition inis answers the first & 2 no nestrons we proposed & in Some Measure the 3: for rock if it is secreted in the Brain it is highly probable it is conveyed to all parts of the Body by the hereico. But for on w: The luguments & hegan with. 5: The andy Librous parts of the Body we He. : sorde are the horves. no done I think 2 as Denied thier fibrous then ture. They all terminate in museles wif for meny daid were always Librous. D'Haller dupposes that the growth & Extension of the Body together wing voluntion of the Todomina Defends a from y Centime of the Heart & artines. But the



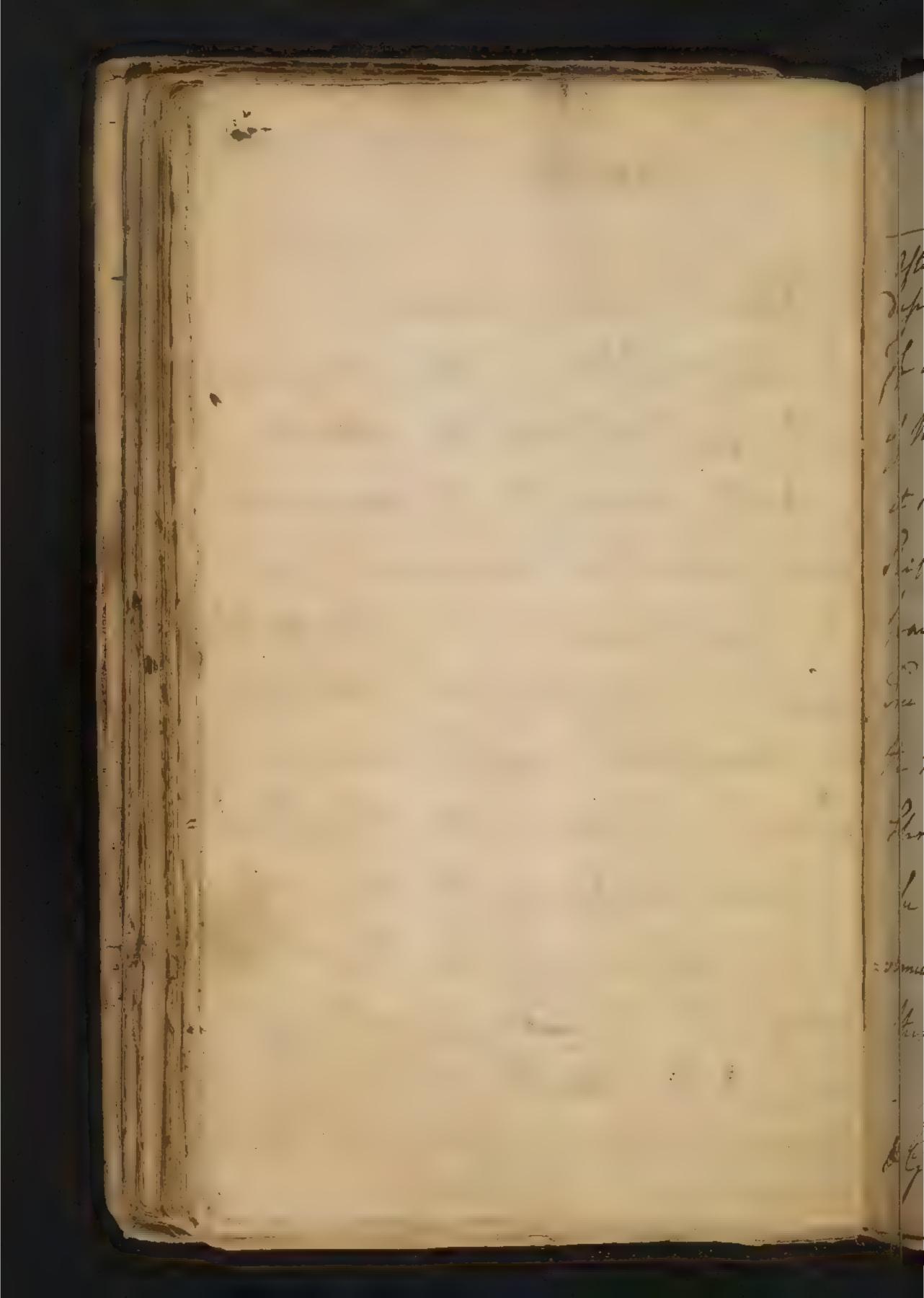
268 /2utition aution of a Brain La Curvous Lepters is hirolating muchary to amount for The fact letion of the Ment Materies - There are late Abrevations by and milione w: Show us that the Ruimals one originally in a hegitable- Ttate. 4 first their we evolves the Girmen of Cants in Reat, & we can best coins seine of the Obernation of Heat first our a Revous Lystens. He hourishment of he gitables detrends on a hurrous Tysten They contain of dibnes distributed in an Imalagous mannen to the Firsty . It is goodwatter him whither they

(a) By Injection here we are to une - Dentaind Contoured Liguer do placed on the Routred Plants that they siron. : bis menn.

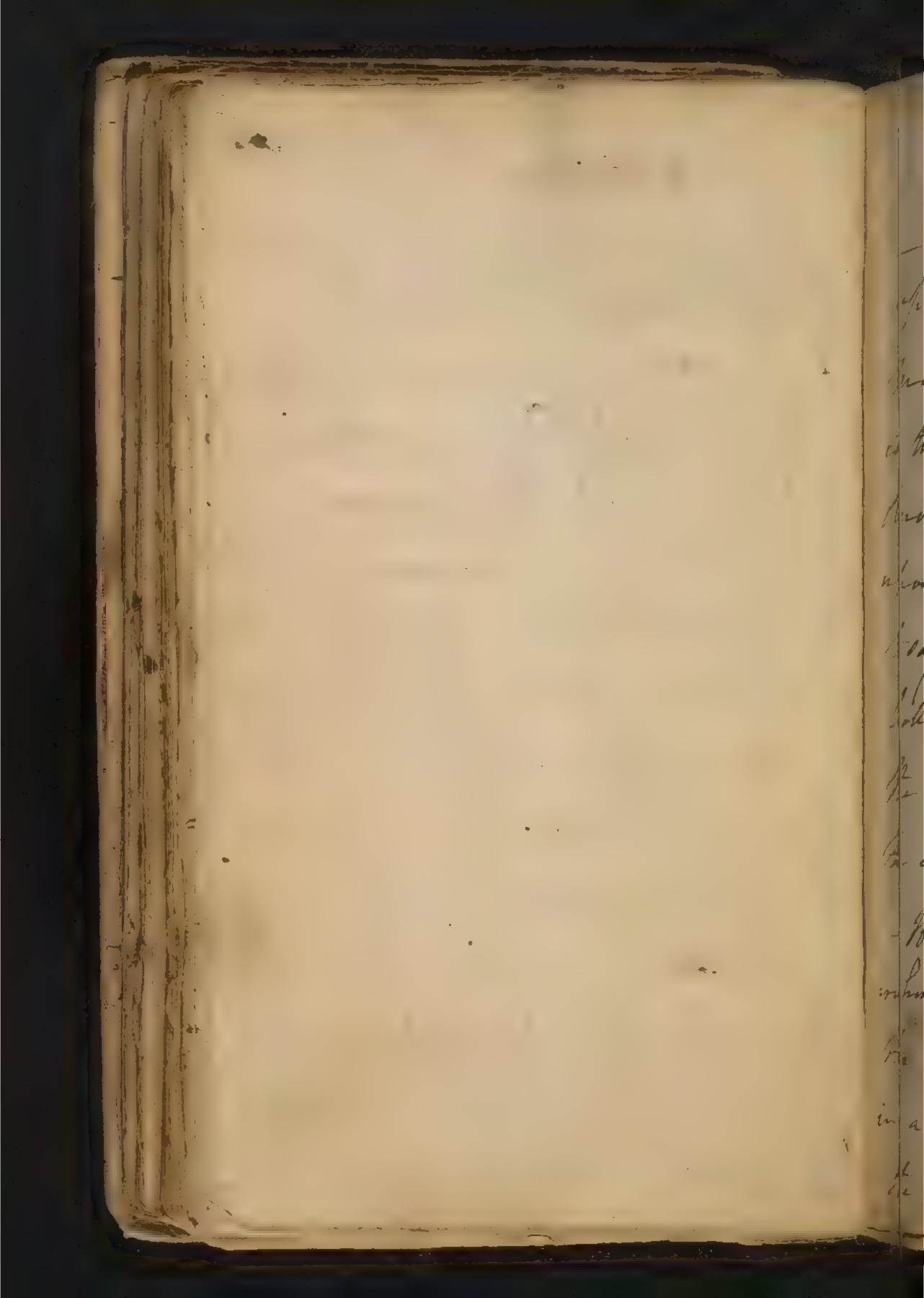
Rutikon Fibres are tubulan or Spangy. Mis Four met affect our a mestion. The deing -bres do not ramific, but proceed in Arait Lines like hurves. Hey have Later her inicited by colour Ligary which always appeared in Fishingt? infrante dines. When they abspean to namilie fry any oplit into Min Fasicule. Moreover by Man: seration they always deprenate into Fishinet Filmes . whom the whole orang Avervation thous his y analogy in between the herves of plants and The highest of Rounals. har have



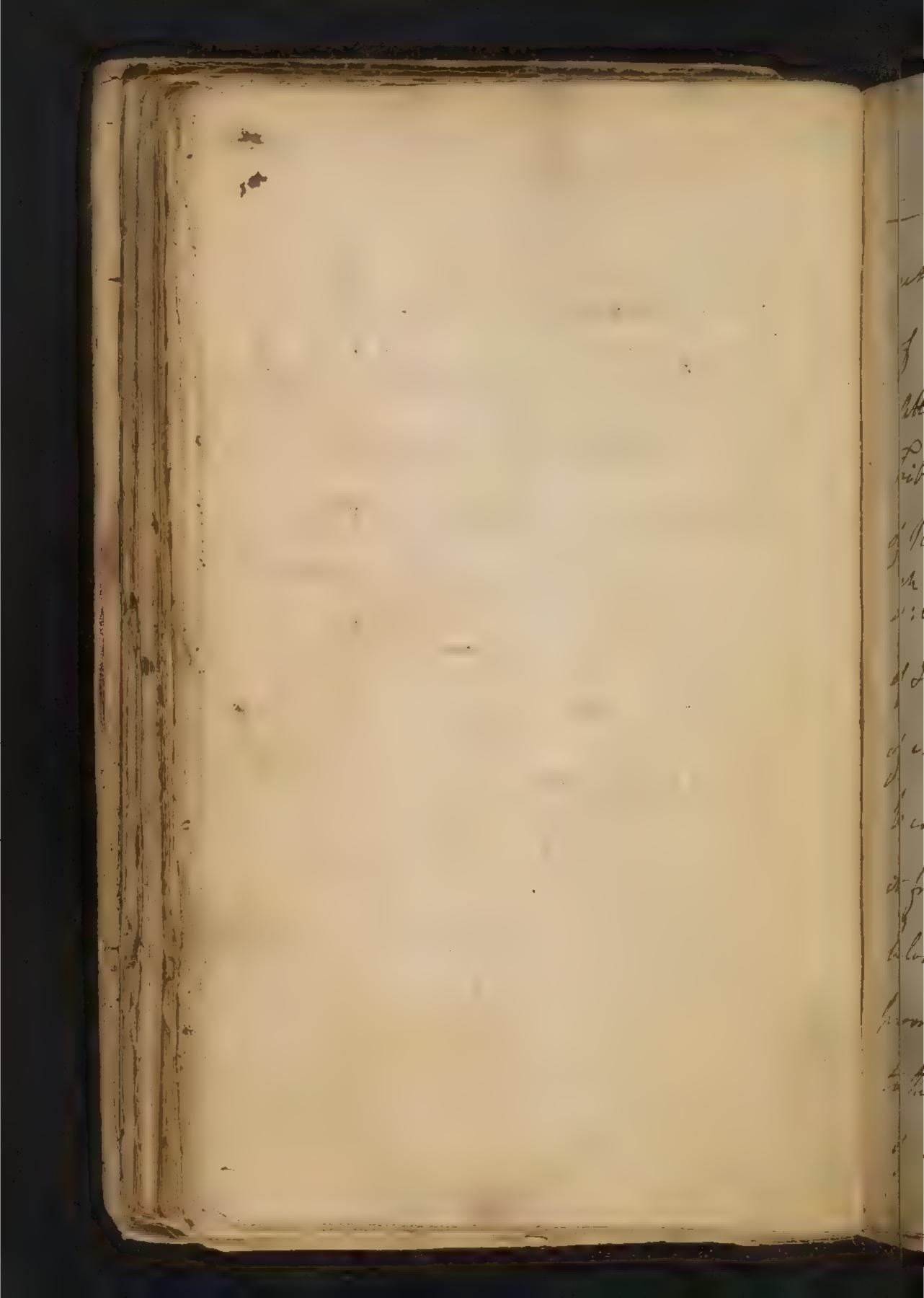
262 Muhihon no Heservations that to show any hualogy between the Blood Vefelo of Primals It the befrels of Stants. all Plants Spring from Briginal Hamina which may be sun by Copuning a formen more expecially their Leaves. But & return to apply this to our present Julijust. Ivery year there are Layer accritico to the Free from y in timal furface of the Back. This is provid by cutting a price of Back out of a True of the him felate again, It tying it closely to the Free if we examin this tim place some years



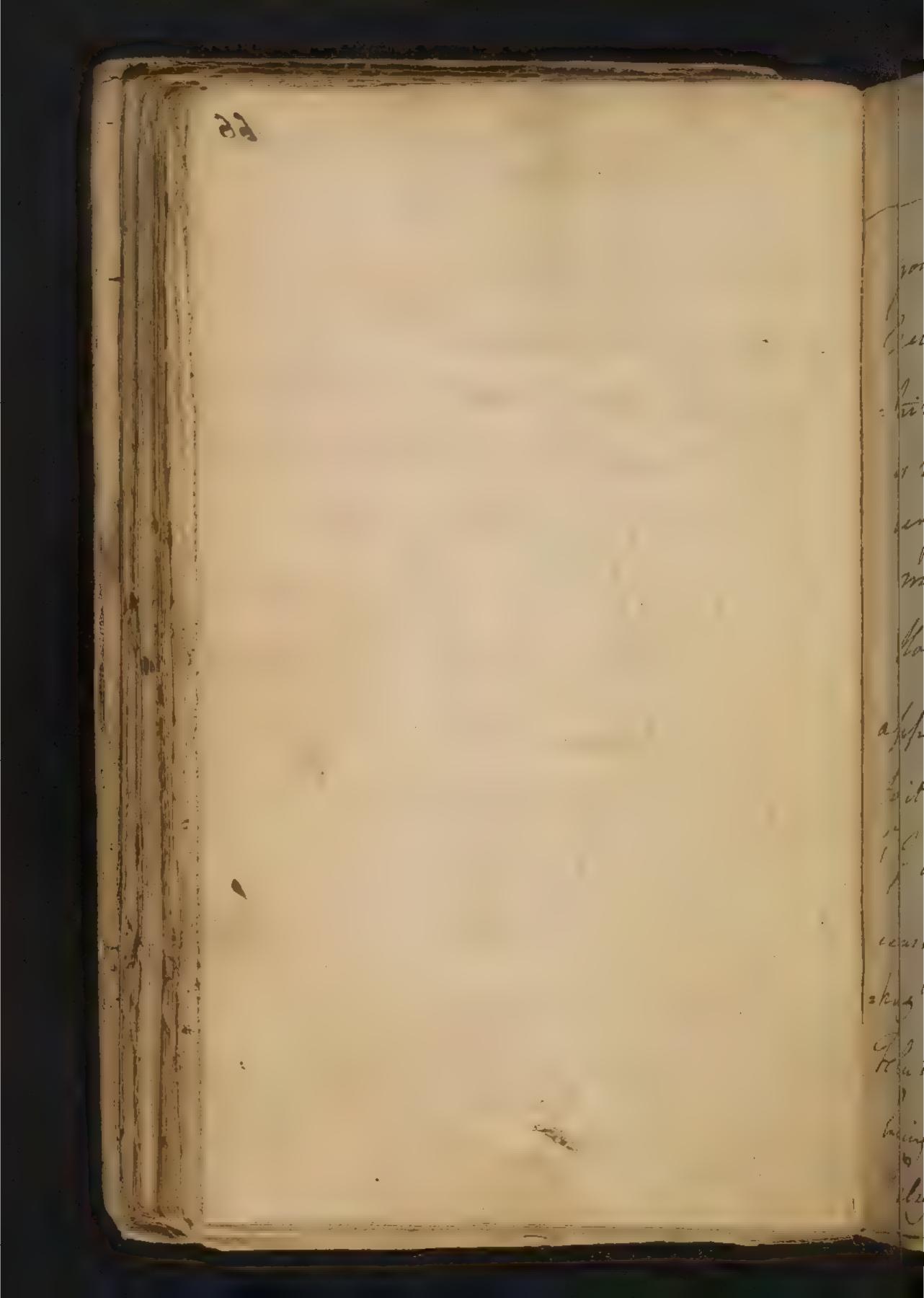
nutrition Vulninto y Lubstance of the Tree. If we examin the internal Houstone of the Bank of Frees we always find it hibrour. all the fordage used in This Building is promet from this hart of begitables. There year the True necesives a Layer of Films from the Bour 2 which may deen in the Thring of the Year. I grant them may In a great huesium of willedan ful : stance to the brees as in the Fruit, but This wises from Briginal Itamina. from all Juneliede the Horm & Growth of Hants depends entirely



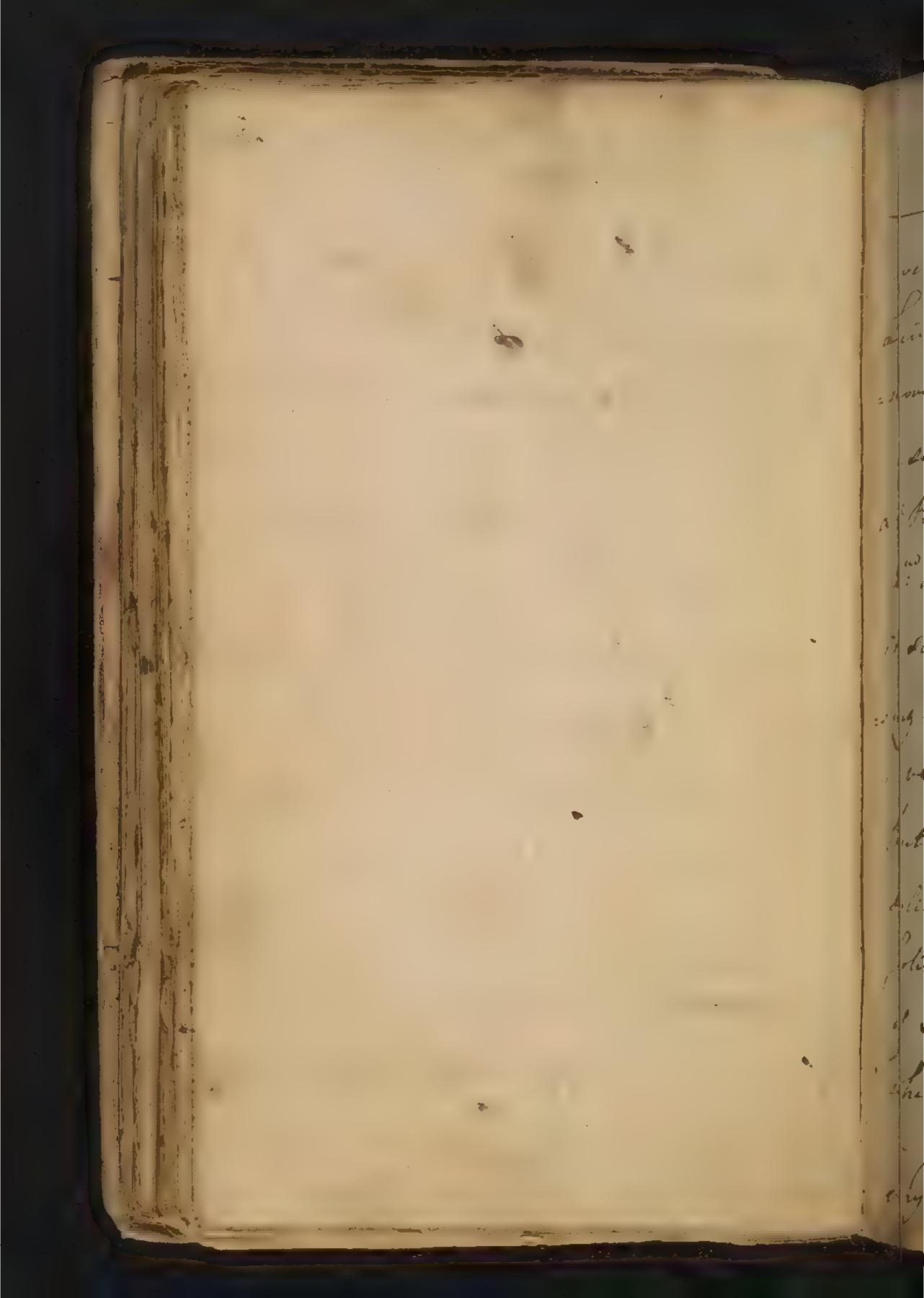
26h nutition whom a fibrous structure, the boul make of this very heautiful limategy is to prove that the honrishment of Animal Bodies lihuvisa depends whom pervous divises. I do not pretend To day whether these hursons Tibres are hollow fales. Ver have no proof 36 the Falues of plants are hollow, buton The contrary are of a springy theretiere. - Ho the Files then townsmit how: vishment to plants, may we not inferig the houses convey hourishment in a like manner. even duffering the Depels of plants are tuboulan



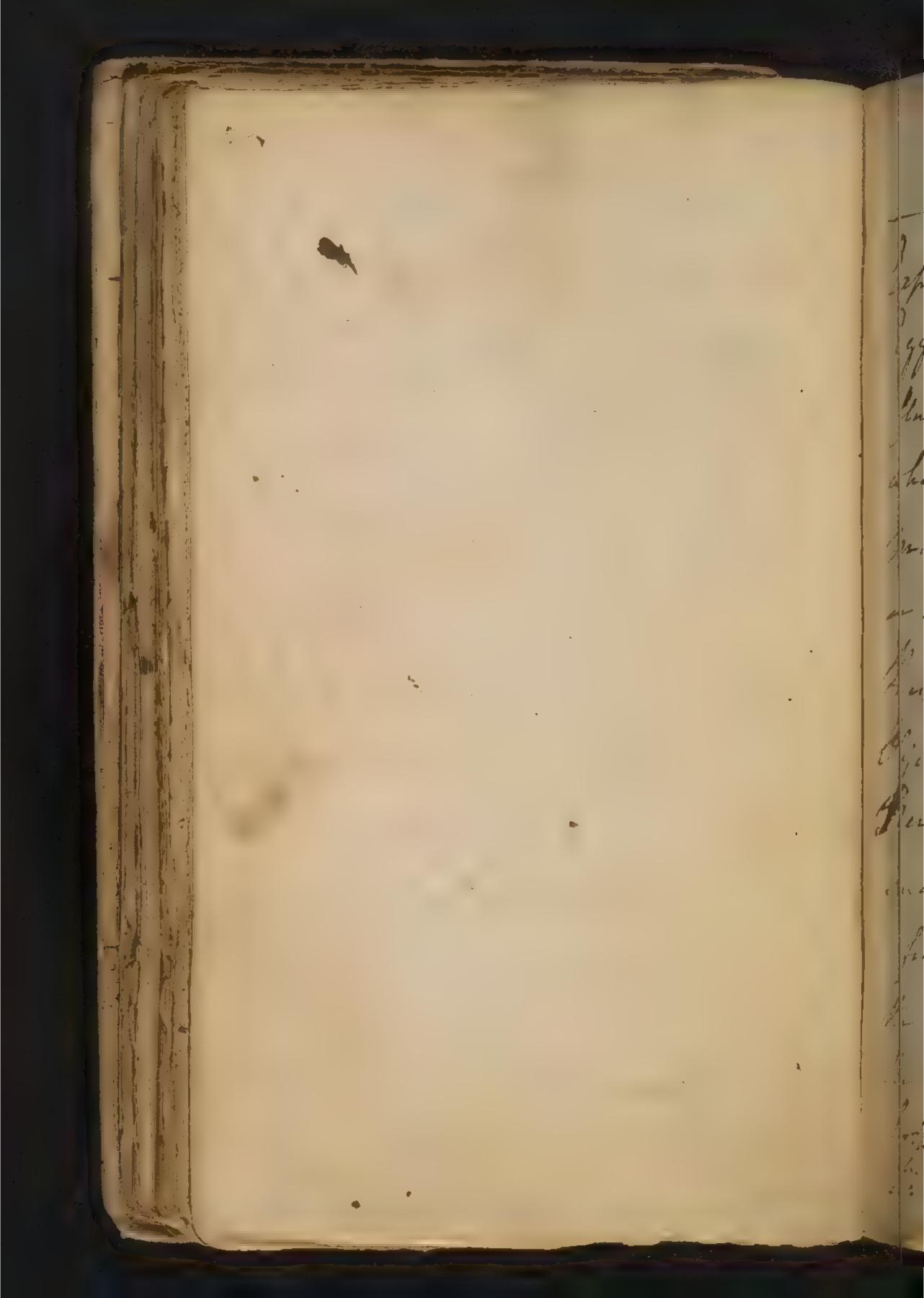
285 Mutition get we know of no from waterable of moving Fluids in them. Capilly. attraction acts as well in a sprangy Tribre en in a hollow finhe. The Tribres of Mant have a bubtile This in y: w: we movefrom their heing propoepsed of Smita bility in Consequence of thetion I external Godies on them . Johoose to call it proitability to distinguish it from Lensibility w: more property belongs to buimales. The trivity we see promotes the growth of plants almost to the light wi Shows as y bereseme of Some fine Other in There . So that



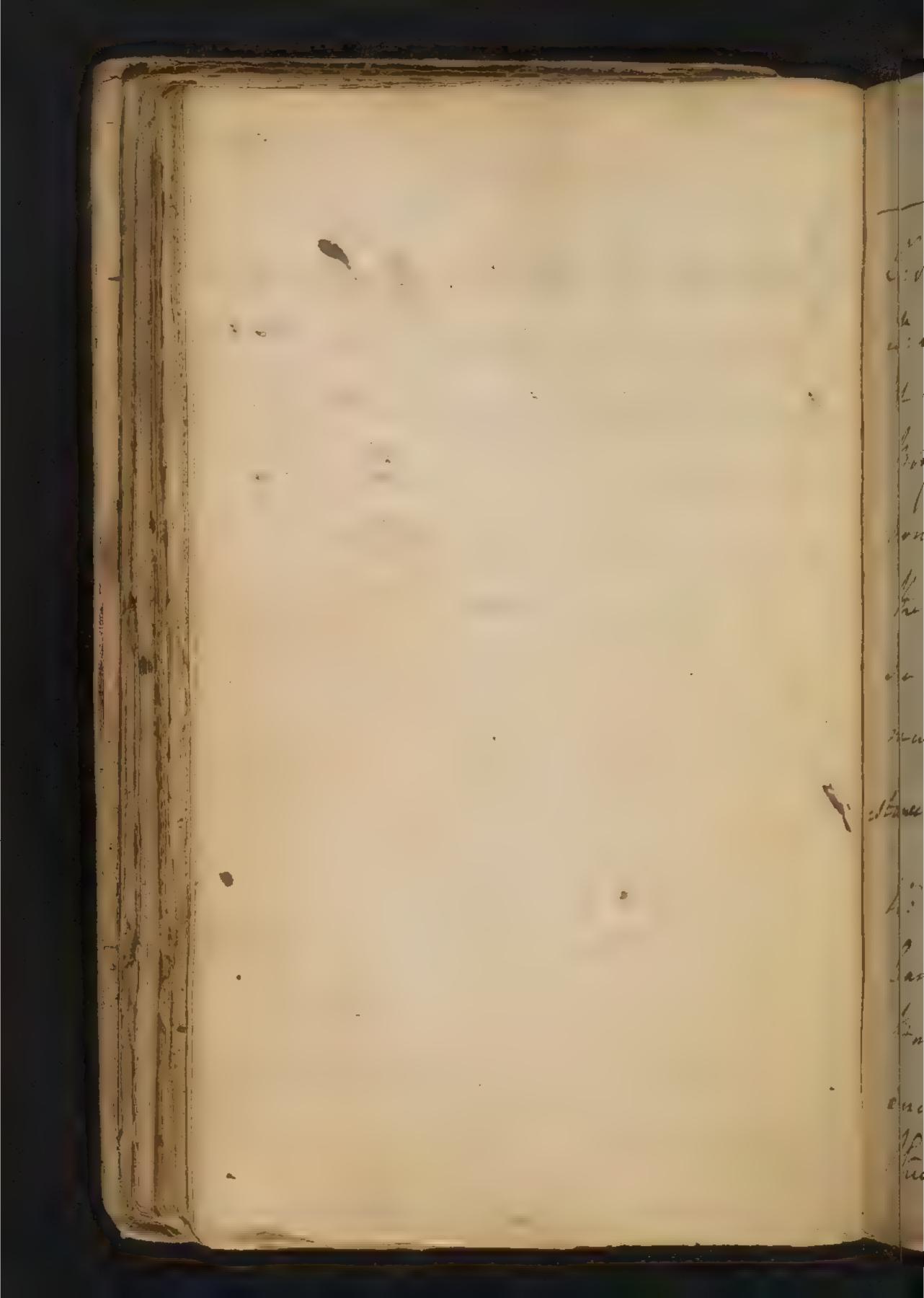
266 hutrition you du Cants au posséped of a Prervous Lystern on w: This hu - hithin It Growth depend. and if this is the Case in plants we may wenter very won fidently something analysus must tatu plane in animals. How ever plensable this Theory may appear d'Halles has raised Phjestions to it in the 8 hapter of his 10: 1000k. I do not ague from Time of his invers cearing in Paralytic Diseases. Aughring : king and fram a Demination of the Heluids. we have no proofs of y Notide heing lesoned in Consequence of a. aley. Autoition appears to go on as



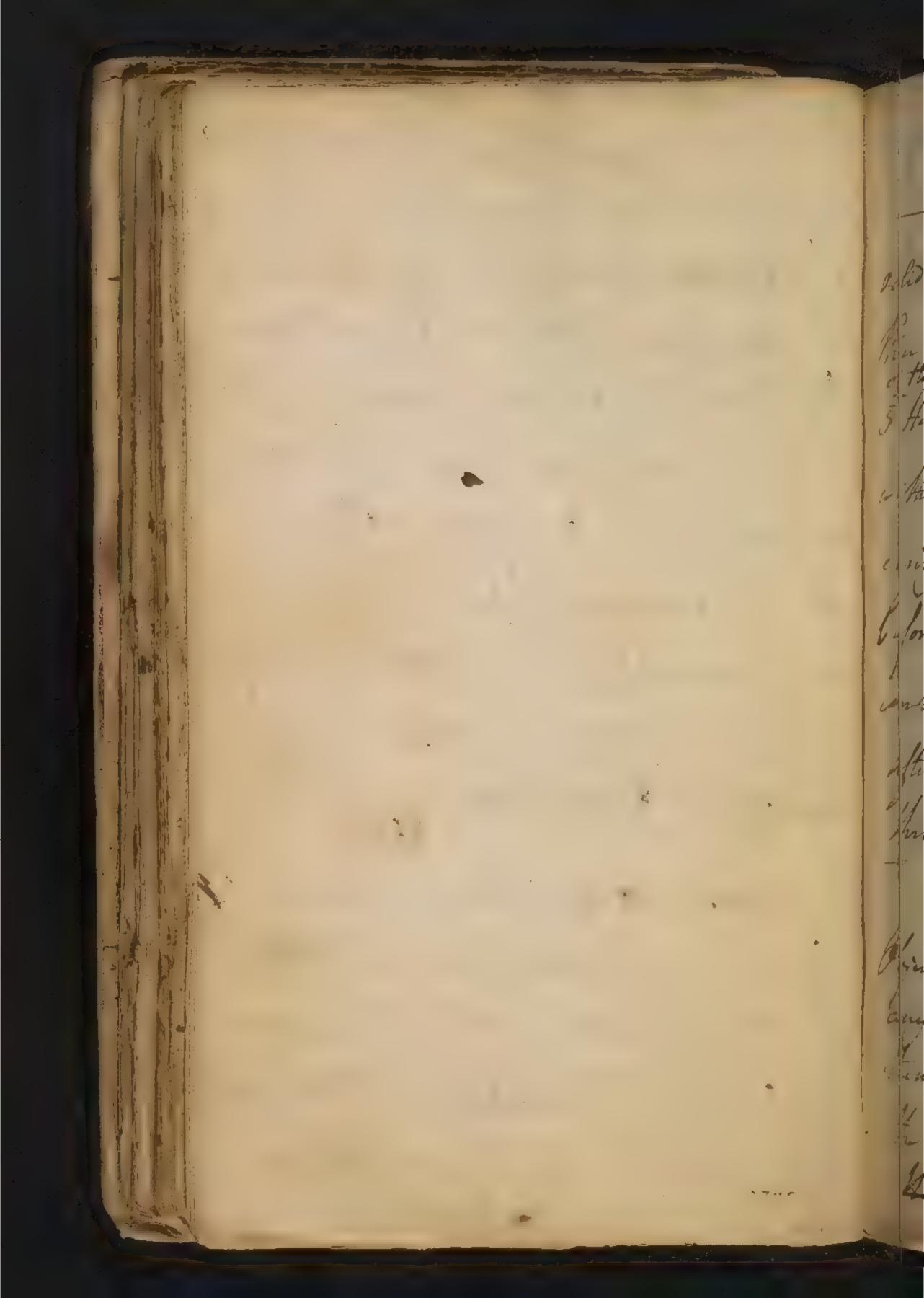
267 Marketion well as con. the Thrimming of The a umbaffeited w: Caralysis is casily re-: moved by restoring their Founds to them. - so that at faller need not have been at the pains of refer ting fini agument. 2: Hadufreren the Existing of y herenes is do quat that the formishment /20/2 wind this term wi he two placed to come very the hourishment of the Poores. but his is no Bintion it may carry solid matter whit wiit departer any: Tolids. The Riquer w: forms y hellof Imails is execuded this its Body when it fireisists in a hid state. - Jobh It a finderi with were originally very fluid, and become formad. by



268 2 Rutikon Deposure to the Pir. the Shels of an Ligg every Body will ear fife war hand fluid, Pout how had does it herome when exhaus to the his. Iny lance, manner Turis an Ofsewas Matter in our Prousishment! The bisidity then of the houristing of and is no Ogention to its prassing the The Flerues. nor an the herves too i'm all to admit of this nowish would be for do not main tain that it is the midium of Firese or motion, on the conforany & mountain that here is is penuliar to the heroes.



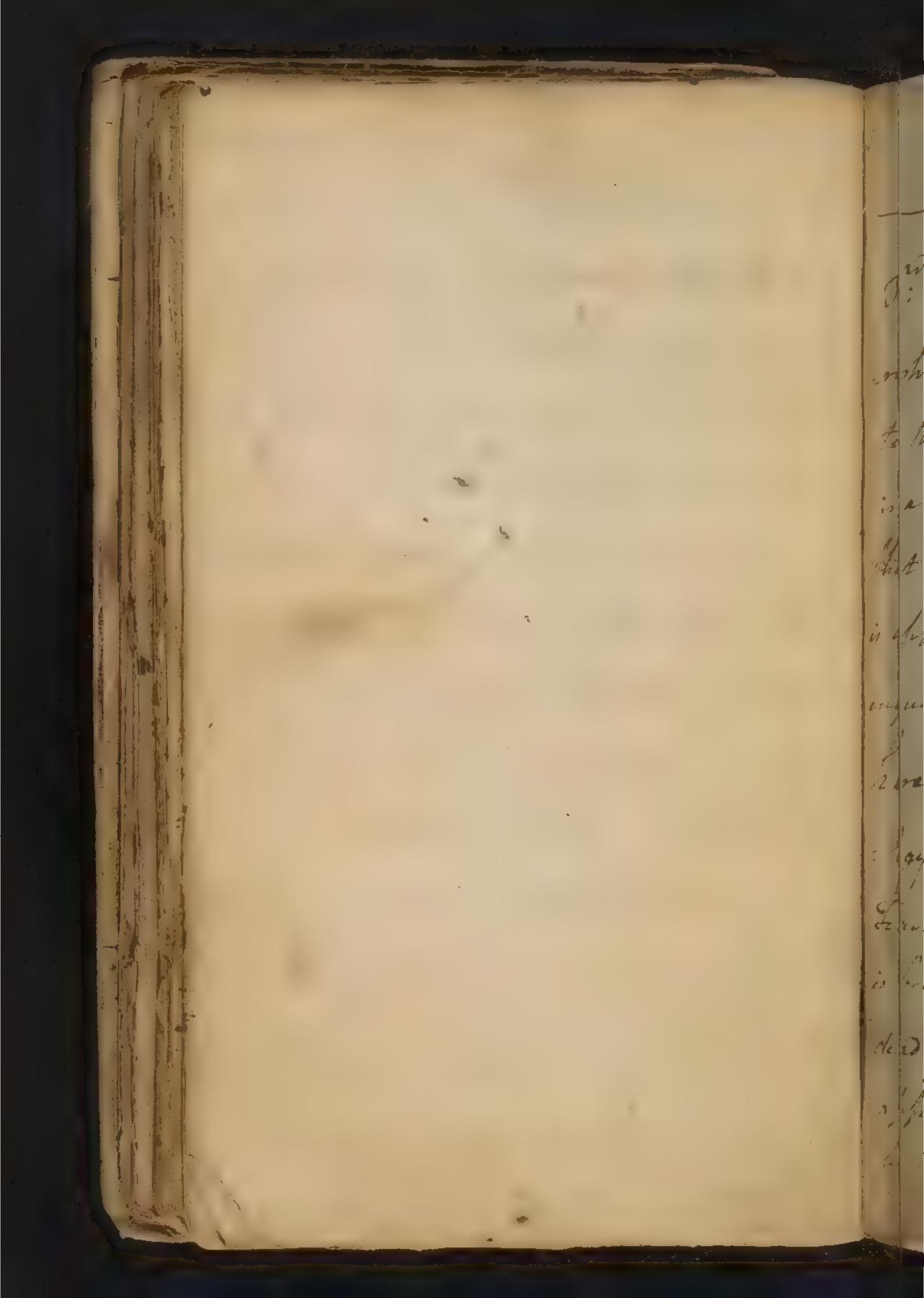
269 Mutihan 3: He says there are many horimals is live It grow that have no herves, I that the are down fants of the Tody w: have no Preses Hyet and honsished. But this is no Hy interin The 1 is evidently false, H Whenever we des aminal matter without herens are must ovn siden it år cellular fulle ! Estance Refluded and according to briber. hi He days the quatest Ginera hovery hast herves as the Liver Lungs be. Nont he mistakes thin Buth by including the Flind, to wi they own Min Tire . for my hant & think-then



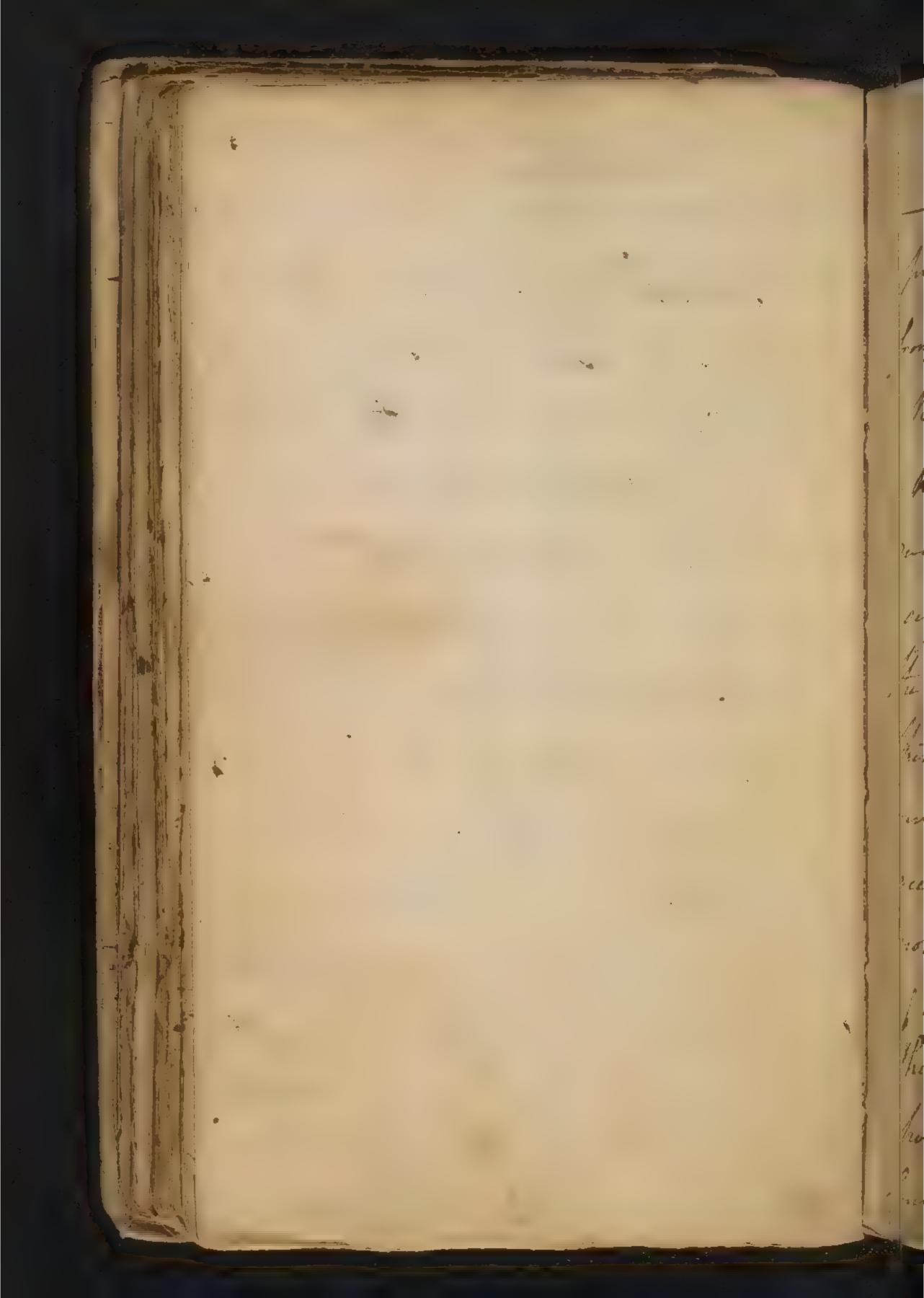
270 2 Muhikon solid fratteris exactly proportioned to This hereo, in y same manner as the haston.

of the Body

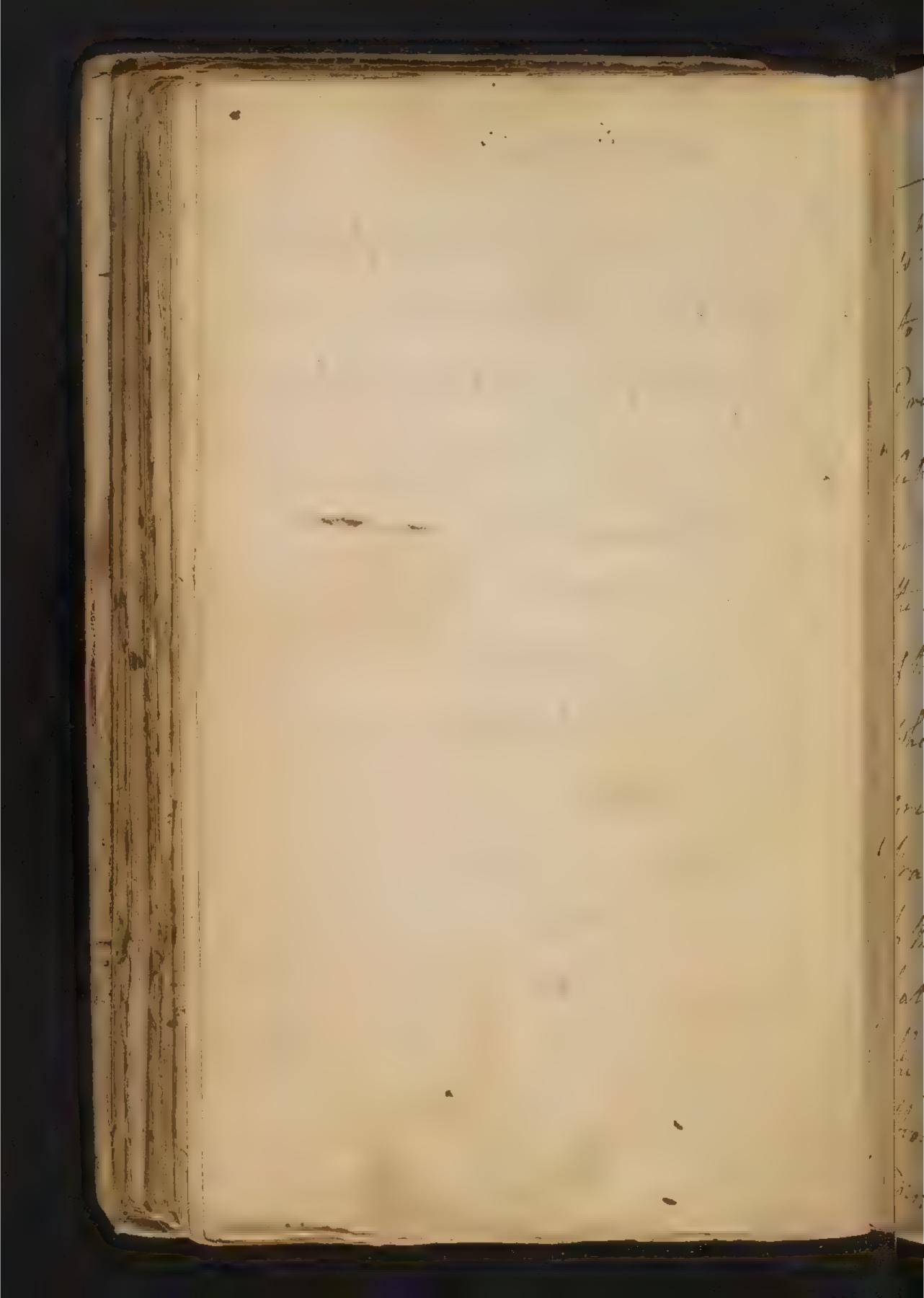
5: He says there are farer of letrot by without a Loss of June a tion. This may carily be accounted for from w: we dais before. The Other of the heroes may continue to transmit Insatione After the papeage of the hours in ment This them is Abstructed. This fireshes our her sight feel Objections. I do not thein of any Force, nor am & induced try Them to desert eny aprimion, but one The con trans am more confirmed in



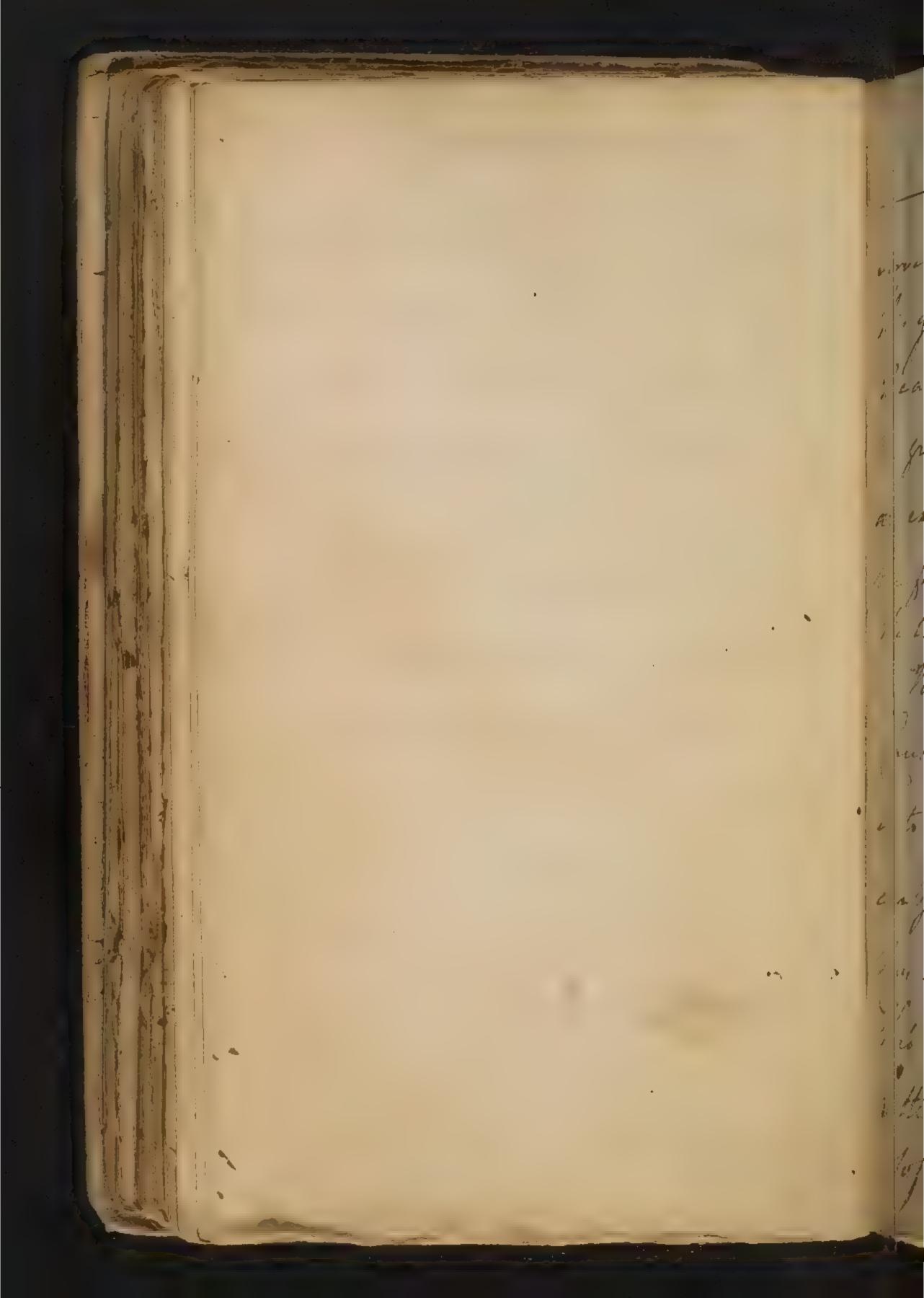
271,12 nuhithon 3: In what manner is this how. - nishment thus depended the hammitted, to the foliar apphilis to their ? This is a most difficultances tion. it is not ino! That we have found But hourishment! is after hied to our folist, we must now enquire thow it is appleled to them. The here we werest leguin call in y lineary : logy of Pants. it is a well known Frant hat if any common begitable. is brought into at warms Horm in the de ad of brister begiltetion imediately by totanical Thyriologists to Mati a



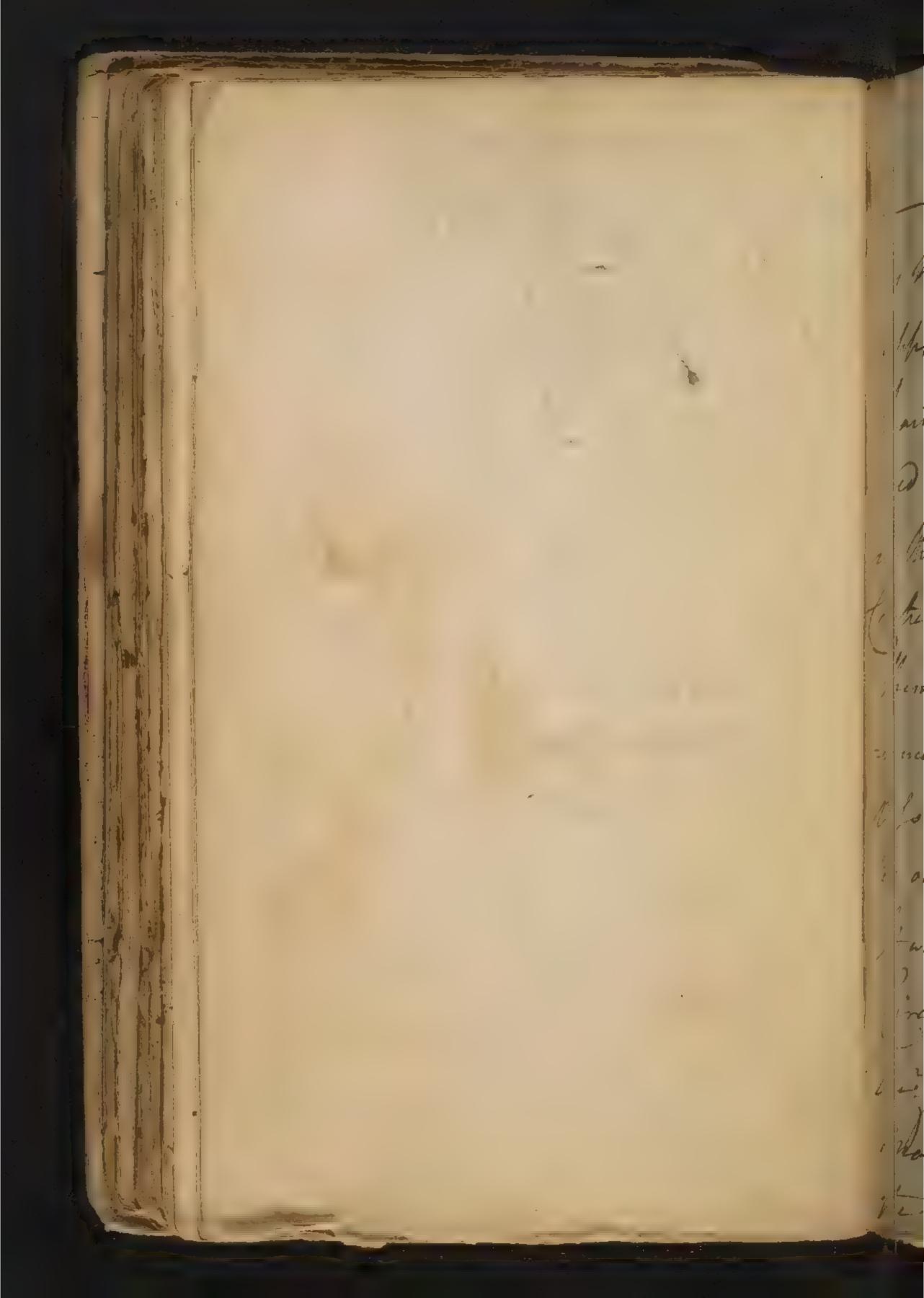
272 nutrinon promoting the timela han of the Salz from the Root who have its Branchers. - But if the Same plant is placed believed a hot House in Such a manner as y: one of its branches can invitate it: : cell into a window in the hot- House all The forantes of hefitation appear in This Imamah while the mest of y plant rumaino dry. How whall this de accounted the her the Kent would not act do as to promote y finalation of the cap grow the Root it must There defound in from Heat or Some Bother prowery funts the begitable into a londition fit to new ine? an auctions



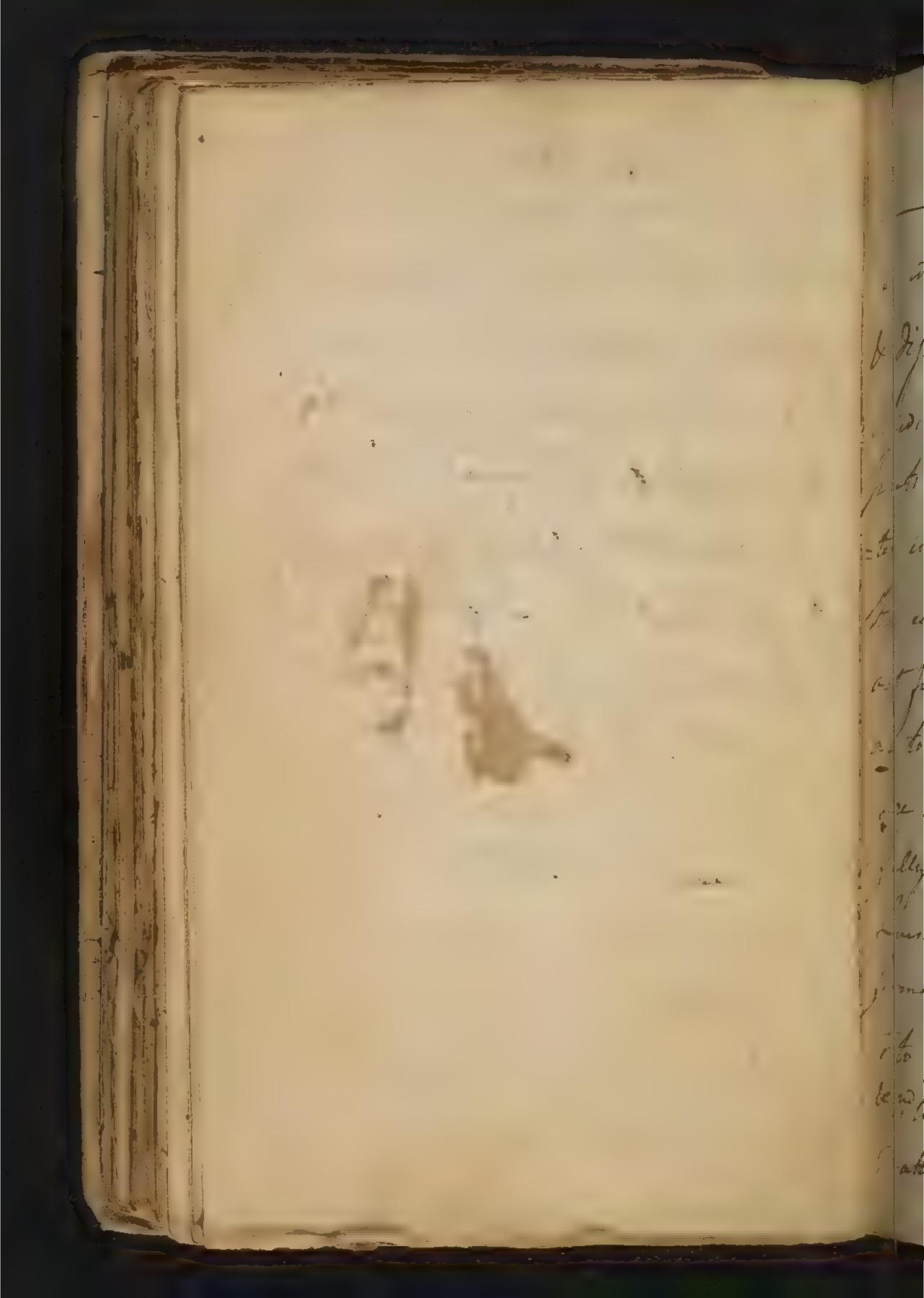
gruterilion ly: This prower is It is not our purpose to enquire. But in Aminato The I wouth of the folion defrends upon the de tron of the beaut extending them. here we always find frowth proportioned to the action of the Bleast or the Distind nowen of the Blood. Those parts grow most. There the competities of the Blood is Greatest, hence the great Lize of the Frain win in Infants is never proportioned to the vert of the Brody. The more lay &hatant the hufsels in any hart and the michen & greater the growth of Prom parts to w. There tufnels are Postablanted a this in a few words many



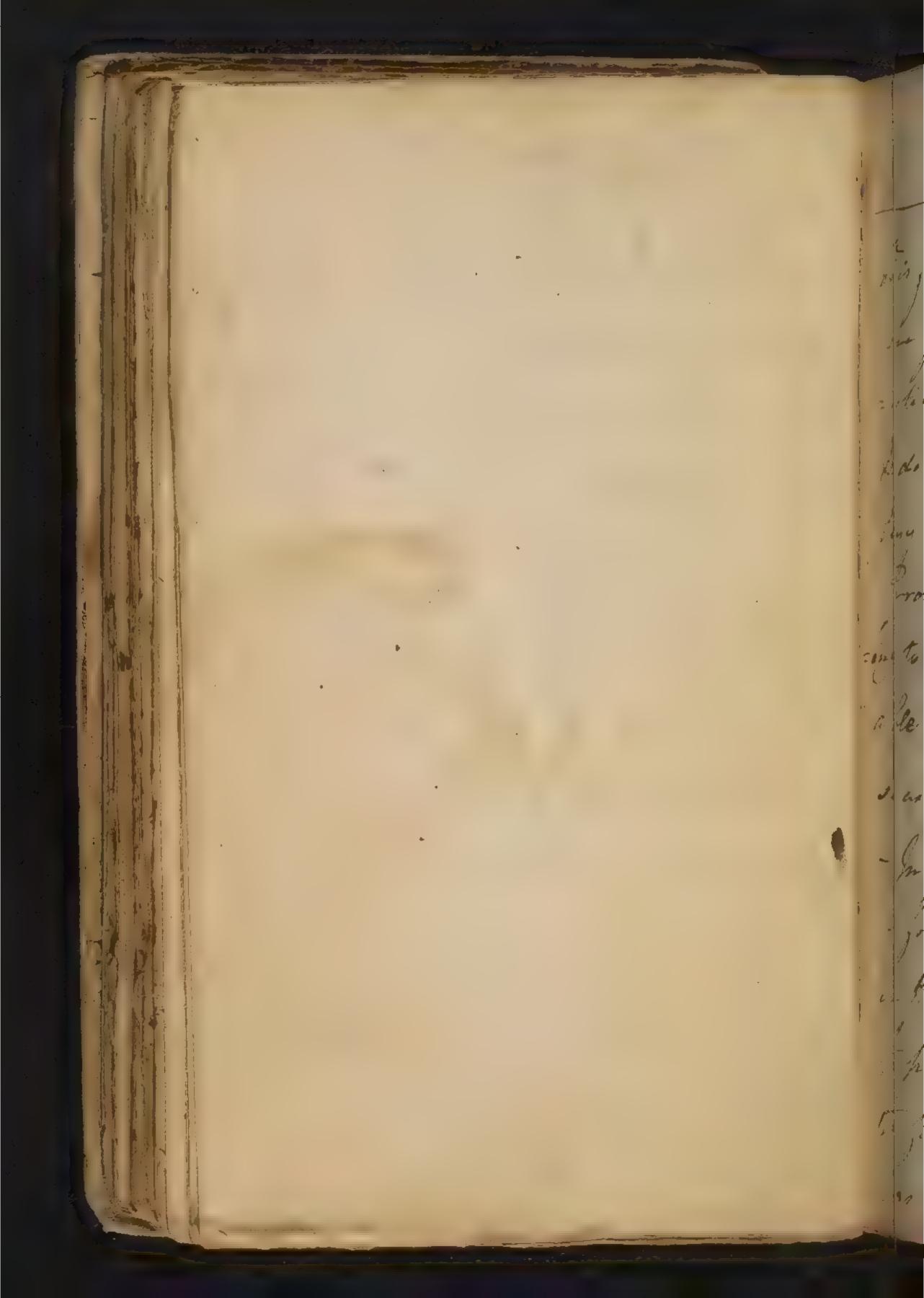
nuhition Serve to evolve the animal Sinten. From This you may easily comprehend The Reason Why the Body continues to from till the john & heart are in an exact Pallance w: each other do hat the former resists the extending power of Tout before we inquine into Those ann whotop frowth let usinguire into the dermation of the Branes: There early appear in the Original termina Thus are at first soft & gelationous, but This two heromes do hard do to thow Little Flezibility . During Their. Soft the the, an walour lef but



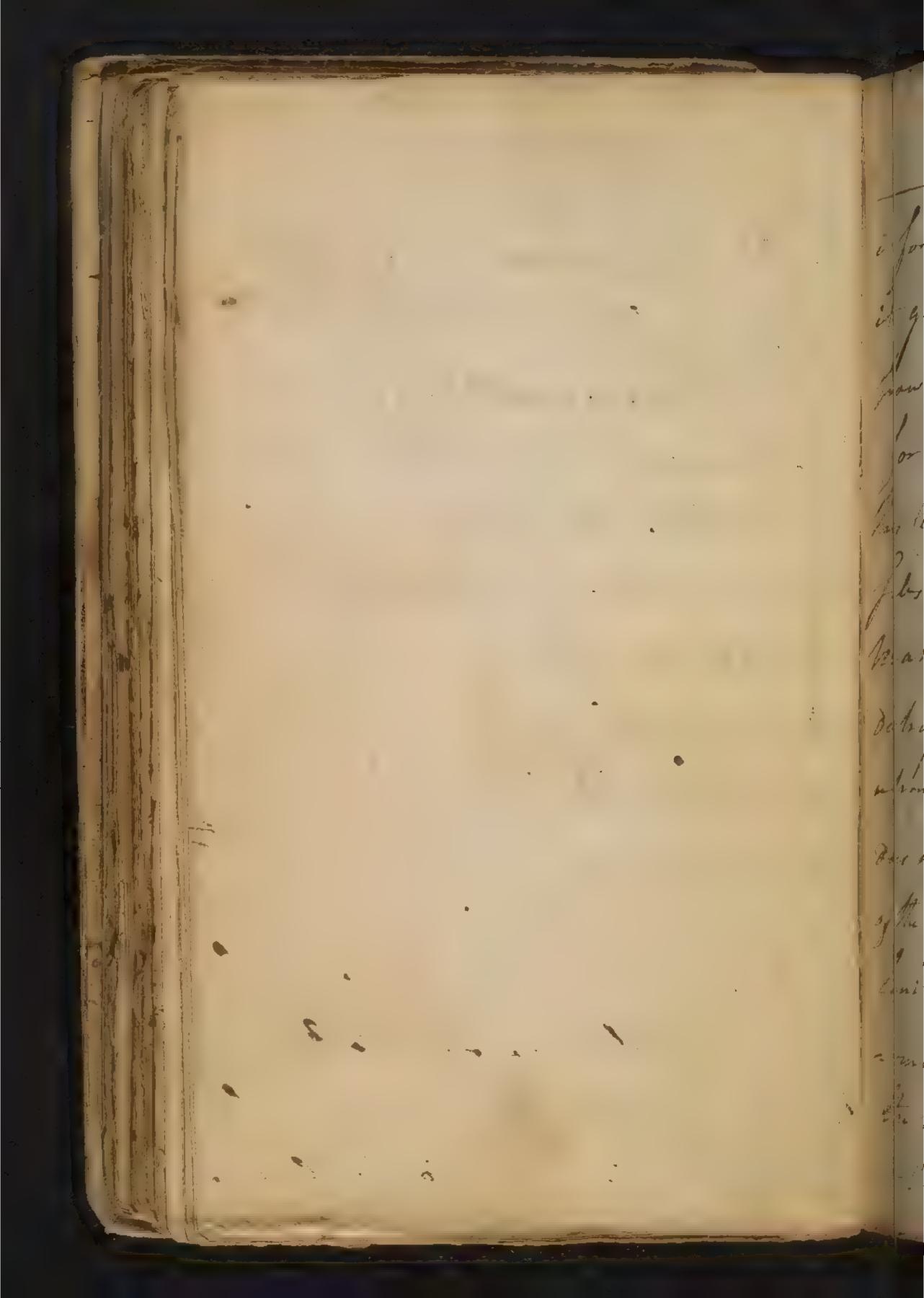
nutrition as their become (artilazinousthing applear gellen, & whenthey become hard or Honey they evidently Thorn red been sels w! man be deen 1: in the kniddle of lundy tomes It in go Centre of Short Anes gradually extending Fremoclow towards the inds & firemente. -rence of the said fromes. There Votord. but sels proceed in oight Lines win Blines. to our famois. From these Frants It will replace that the fromers of Tirenlation must be walled in to luci for the Formation of Jones. the Mother of the Bones is Diffirent from the Mather of the soft hants. It.



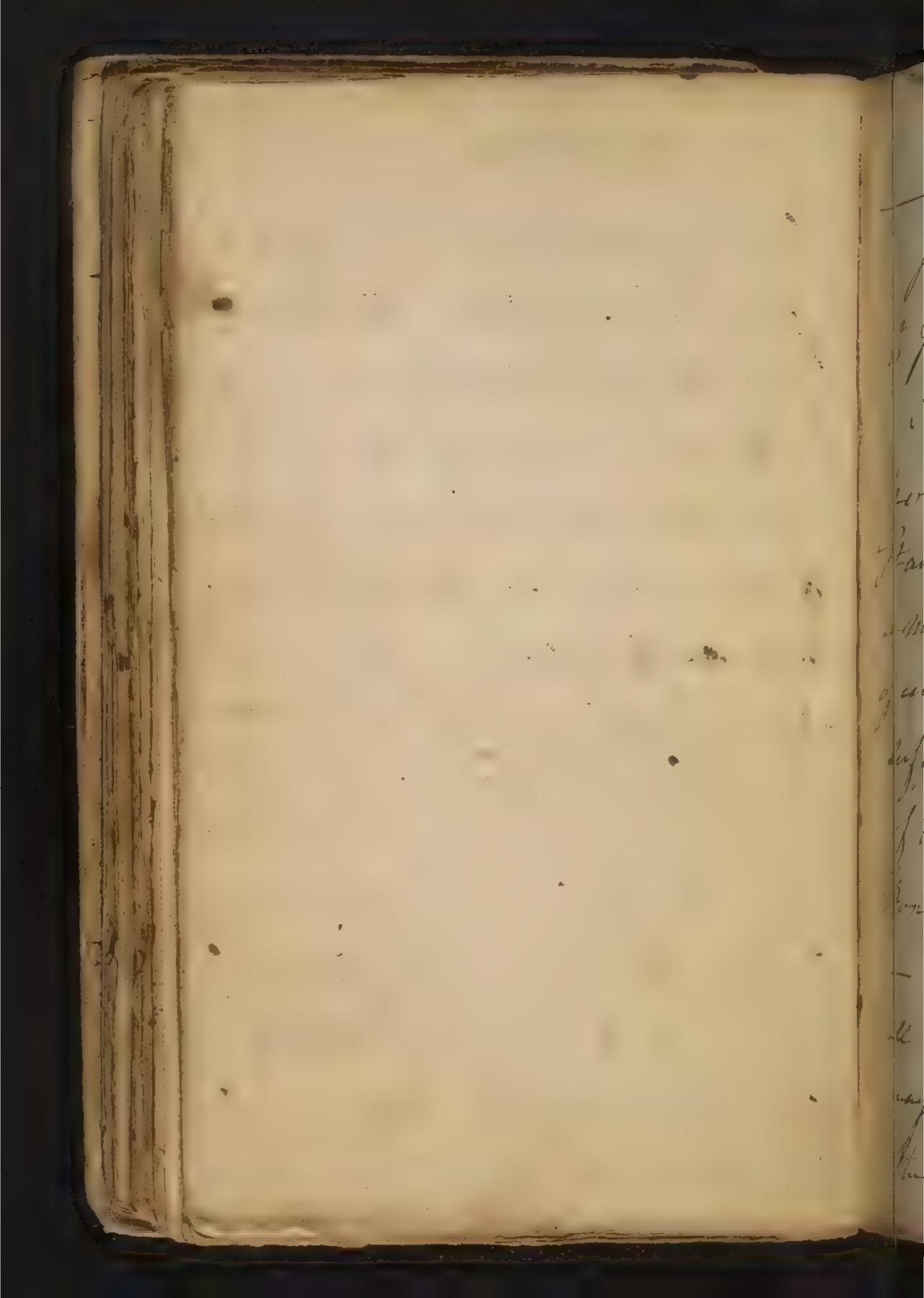
Mutition is in the State of our Whatine South L'disolves into a huntral falt by winde. We have no matter in y both parts analogous to this ofreow mut ter is defeasited in sapurate leles of the collection destine It may be washed out from them before it herewood to hand ne to Ablituate the Cellular sexture. see Italler on this Julijest who has fully proved a Juscus Opens. The only Lustion y: how remains is how it is formed? - The tred befils we speak of two i to give a Due detensione to y Bones 22 to pour forthe the secreted opeous Pratter into y Cultular munbrane



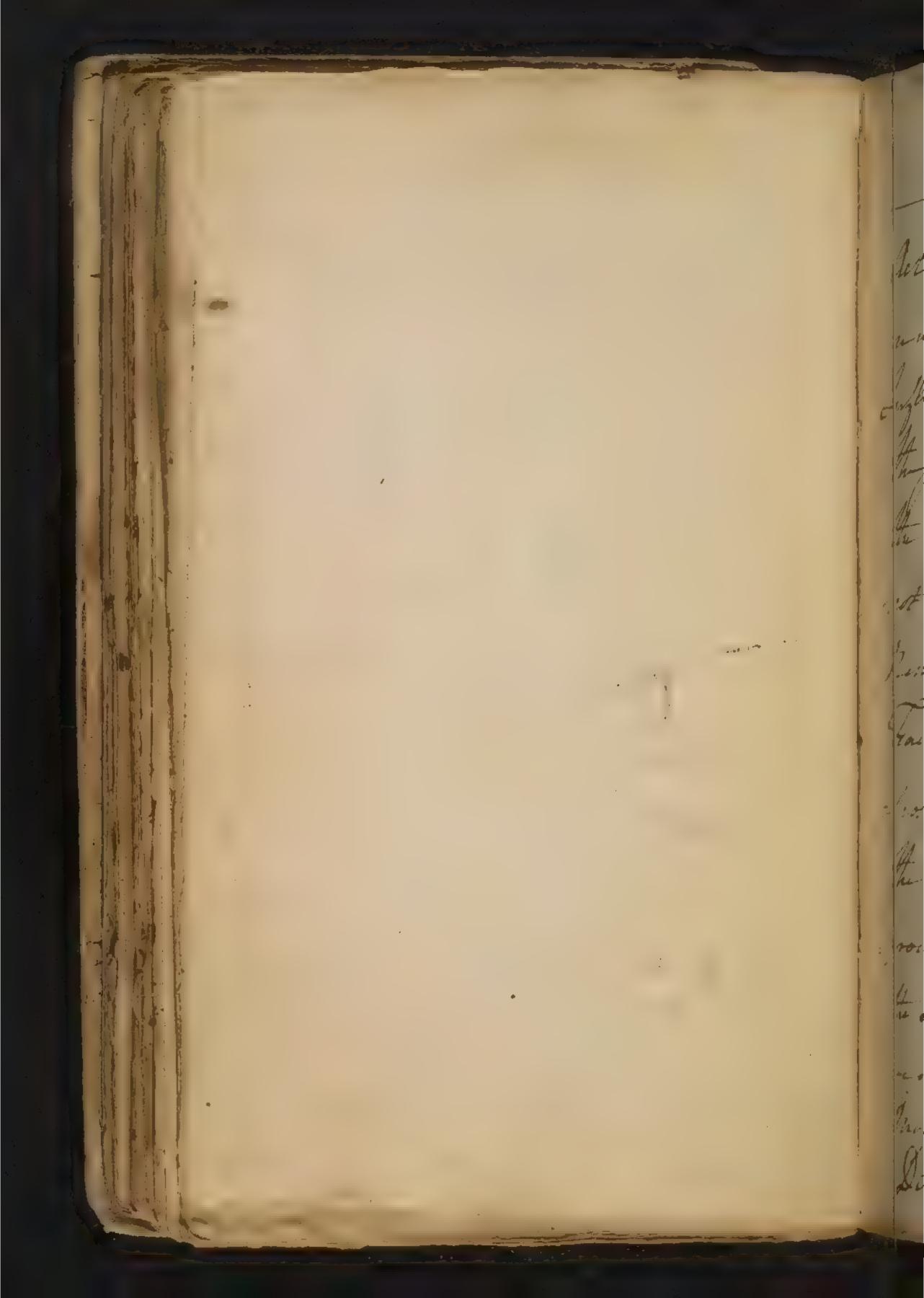
Mutti hon win formed on hervous dibres. Calluses are former from in by timenon of The Pinis rostium & are evidently organized parts, I do not defrond upon a there Iffarios, of long matter, the Heaven their willy From the ceases at ones ratain lige is one. sing to the France of the Meant un longer ting while to propel the bolowd in the Bones so as to consent to send forthe Filmes. - In all Pages of bounds when new hich is formed a In lame tion must be excited in the hence do as to course their to how out more hutritions matter to fill up the William fix ture w: has hum produced. This cellular fub.



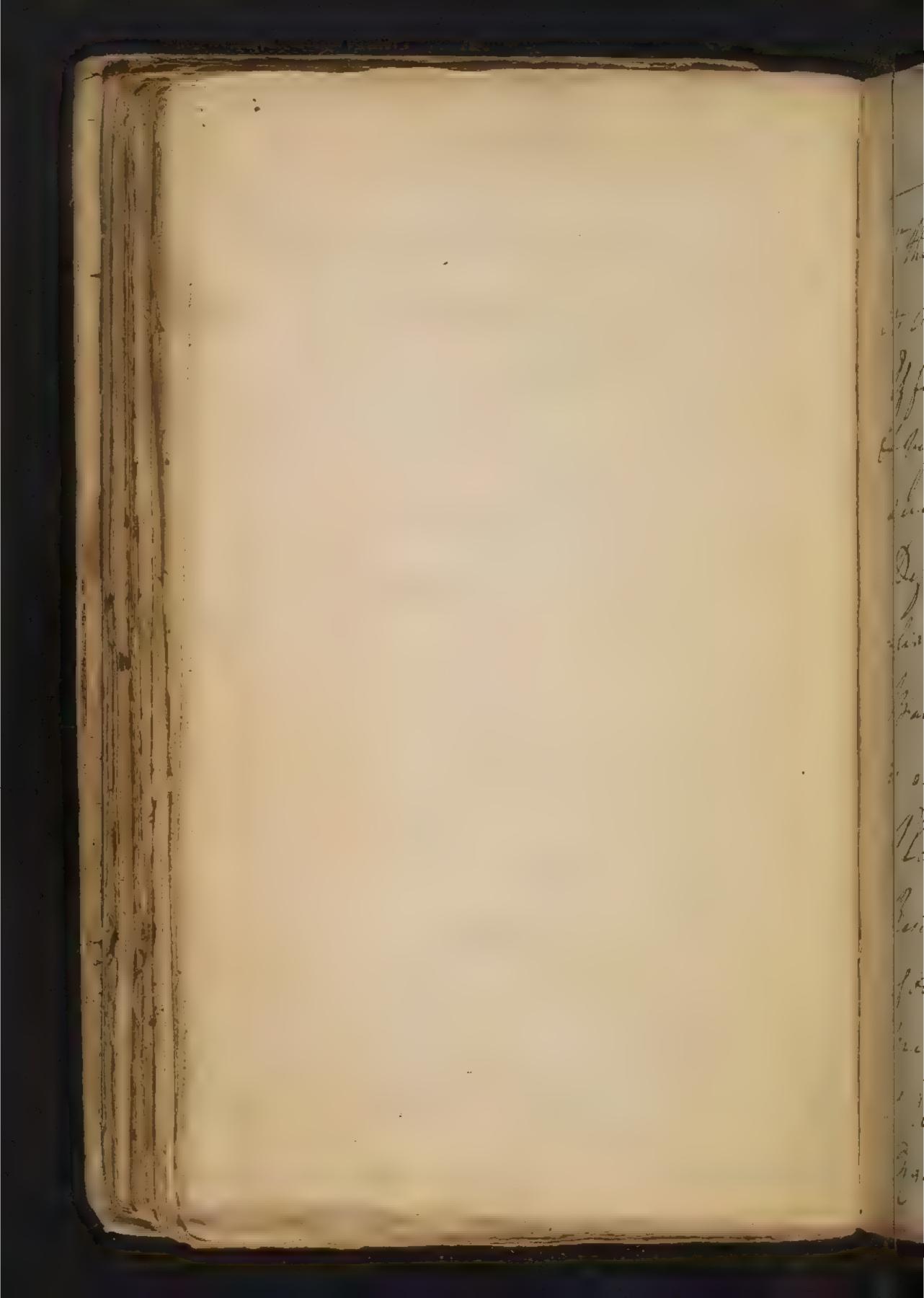
278-1 Quette hon is formed by the because is finfer from its great Sinsiliety. The Lytin File francer then of the that makes way gor the herves to from out of to form Fris tell ulan men brane. This Pellular Julytance may be do involved wi how Me atter aus that its Jensichility may be destroyed the less an Influent: is induced sedron it by certain Pauseo. The Mart Dass not un enease in propose tion to y next of the Lyston, I hence our fromthe is limited. The nebstame of the Bones he. - creme hand by Lga do as to Butrent the Mit dod brefsels try com tain , hene in Missistante is produced to the Heart.



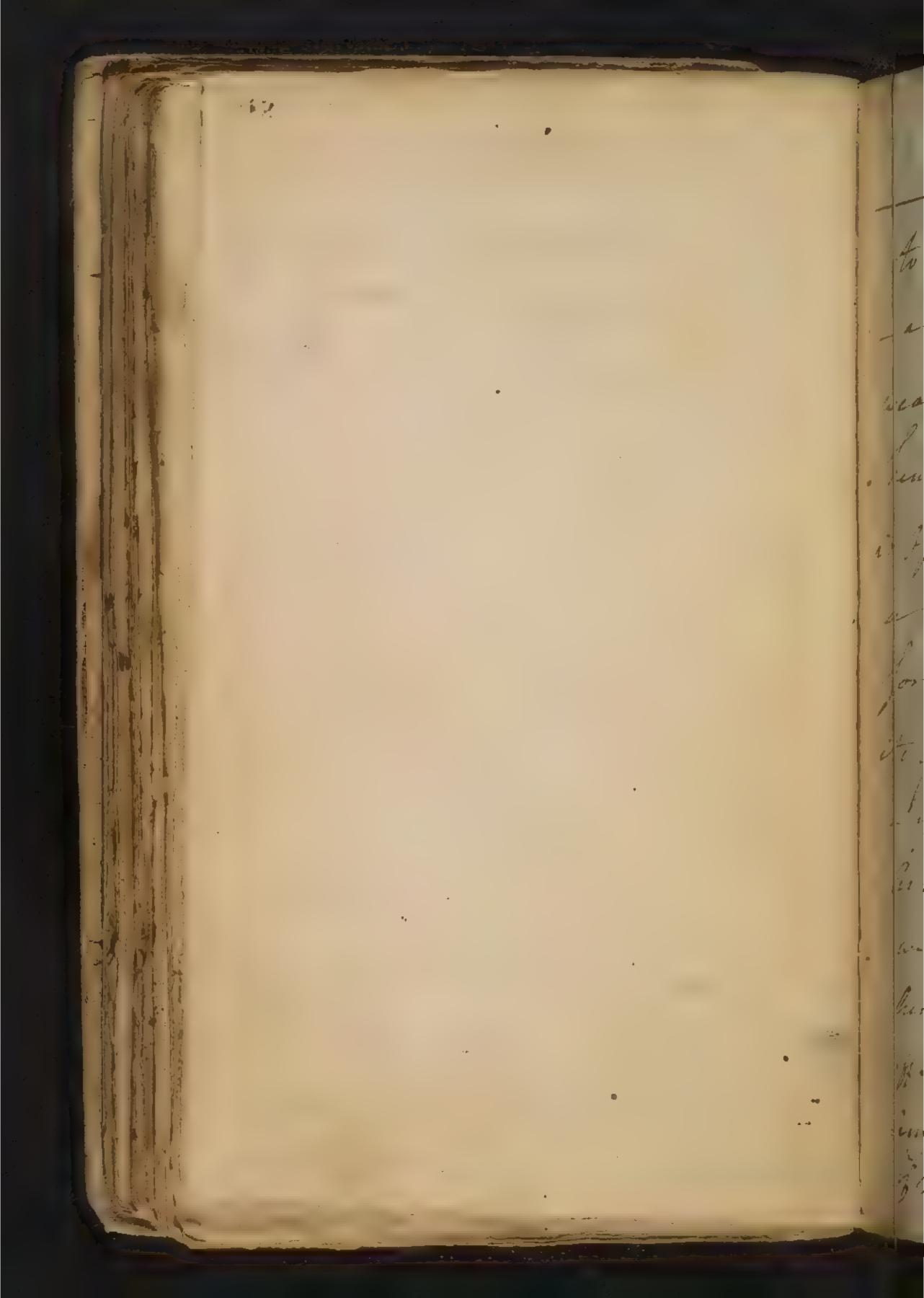
nutition fohalt now briefly recapitalate. w I have died of putition. In every part of the Body Thereare Rervous Fibned wi an Muchriginal Itamina of the Body but formed induch 2 Minister in to wint ofan human of cellinear Membrane. This Ithink Lufticiants proved 1 from y Unalogy of begitables 2: from Tromation of Fones & 3. from the , woder tion of falles. - I do not pretent from this to explain all the Chenomina of Juntistion thise may follow higher aids. The Growing The Borry I daid defe ends when The



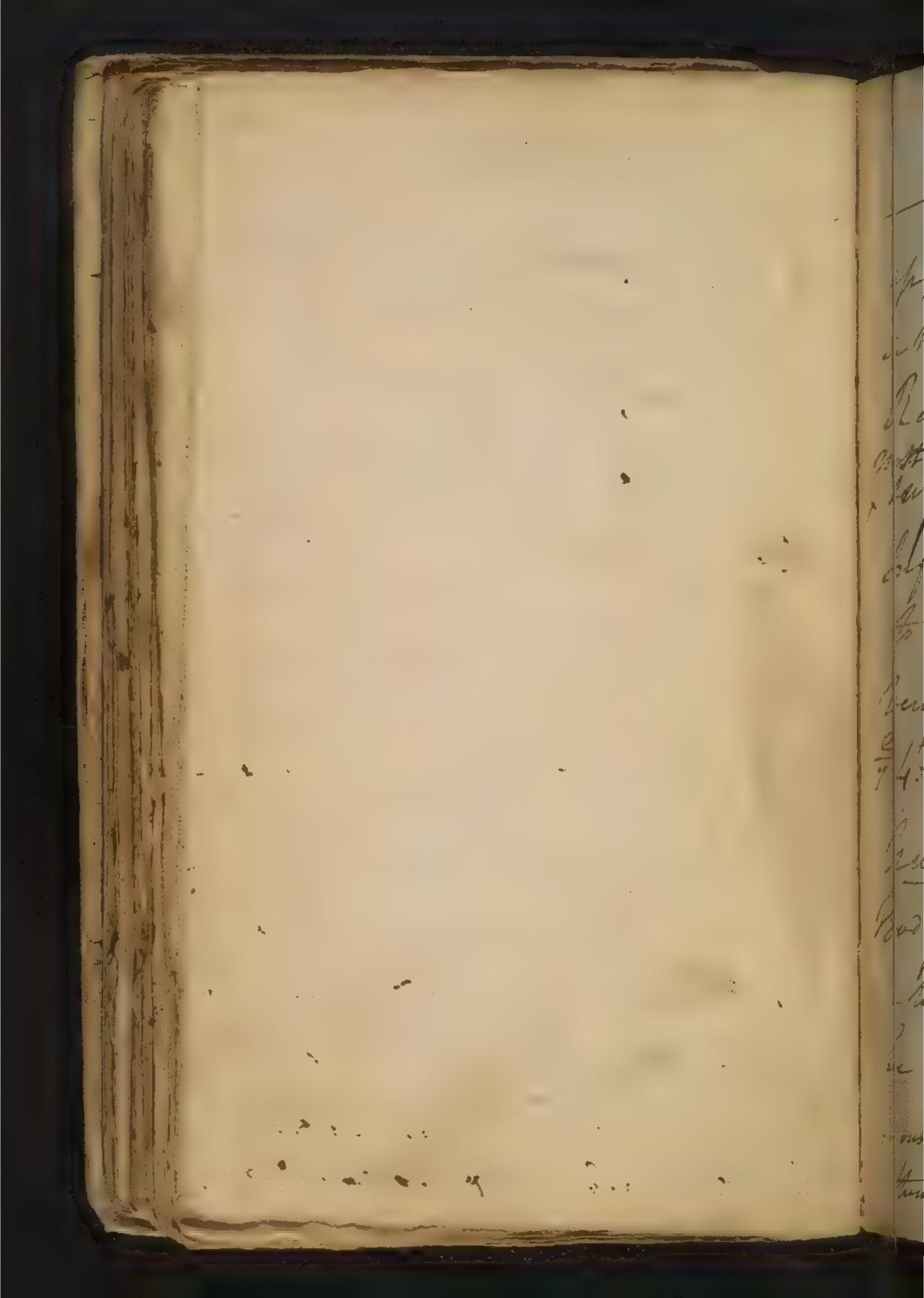
280 Men mitaly Action of the Meant, but to this we must and Courprion w. has dome! Influence in determining the Form of The Folist. I do not fraction to day why The Force of the Meants aution Does out enerease in firehorism to the Lest of the Broity. we we done of the dract, their is dufficient for Our hun Most in always quatest in The Bleginning & least as it an: hroches towards its Reme . His uniformly The Farme in all parts of the Body we wed aid defrente aprondume Infacts being More lax Lhatist them Whis. This Disproportion is most Manifest in



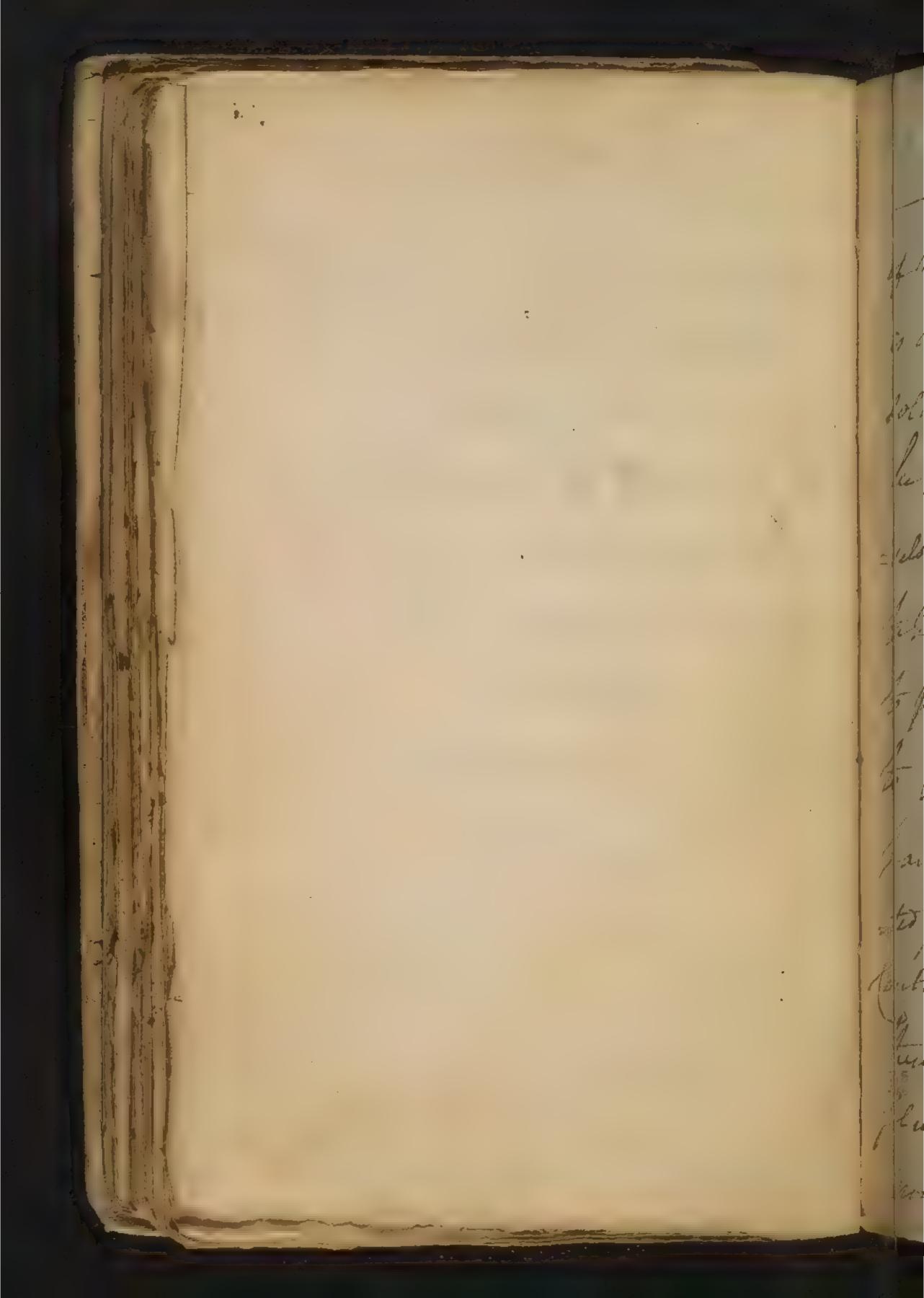
huhi tion The Mend w: harder fint arrives at it auna. hina the Pheason why the If feets of a Disharboraguetween Mutiliais El Auguer de Often apparais in y Kind duch as farmon hages - herons ? Deflusions tien: an always puns a lian to your of hildren. When the Praclain of the tween the Flind of Jolis is order bested me find the Met of Olithorn in the Lungo where The Best tames is least-having y to requency of the morninges from them in found Chaire the wind If feet of the howers Organs w: give: a den Ballanne



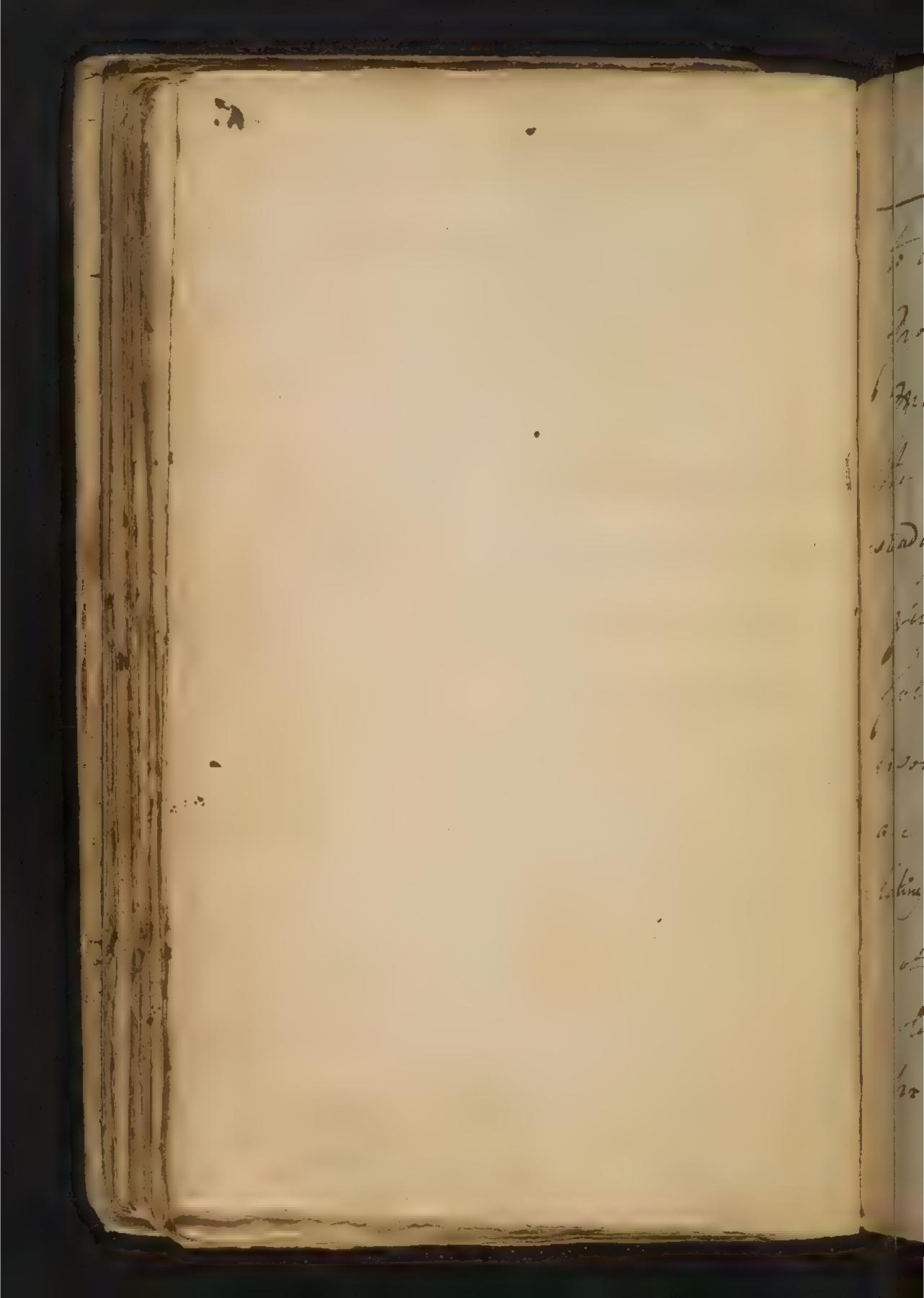
282 13 nutrition to the asteriors & Muzions Lystein. - a want of the wolution times to weahon du tome of the System. · henn in Allertune tion of the menses is After ittended withthe Hear a lette ova a a la allame is lihearor. Jornad when the Body arrives at it from the between the Retires Aliens; - 1 the heins or Irentonie received the Per terious placed is to much Fracility war i'h ? d'em en Growth but at y? become the Cheristane of the beins is taken of the Density of the artisis he : ing concerned by the bummulation of the Molowo, & the Machine House



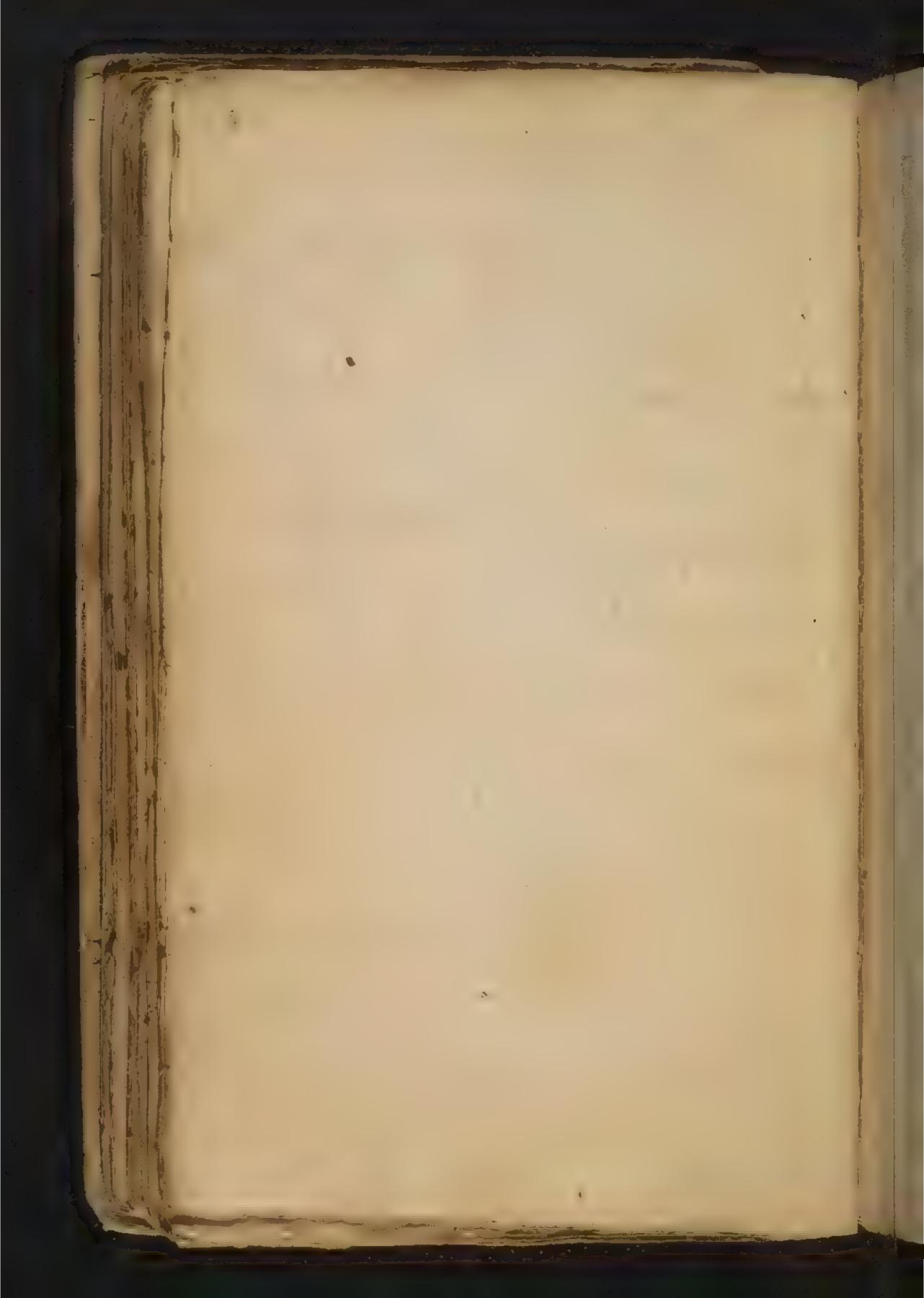
Mutation infream no longer in the Cutin but in the lacins heme you de the Thearon Why youlng them are Aprilipent to listerious Harmon huges and Silflamat: Desenses HAld Min to all the Dinances that arise from Curous littora 7 4 of westion oceans here none is Autrition performed letter the lowery arrives at its Growth. - to this fanswer that there may be tron ons It job entions of the Calican nows matter of the Brones w: Dispuises Them to be alsorbed I do carried out

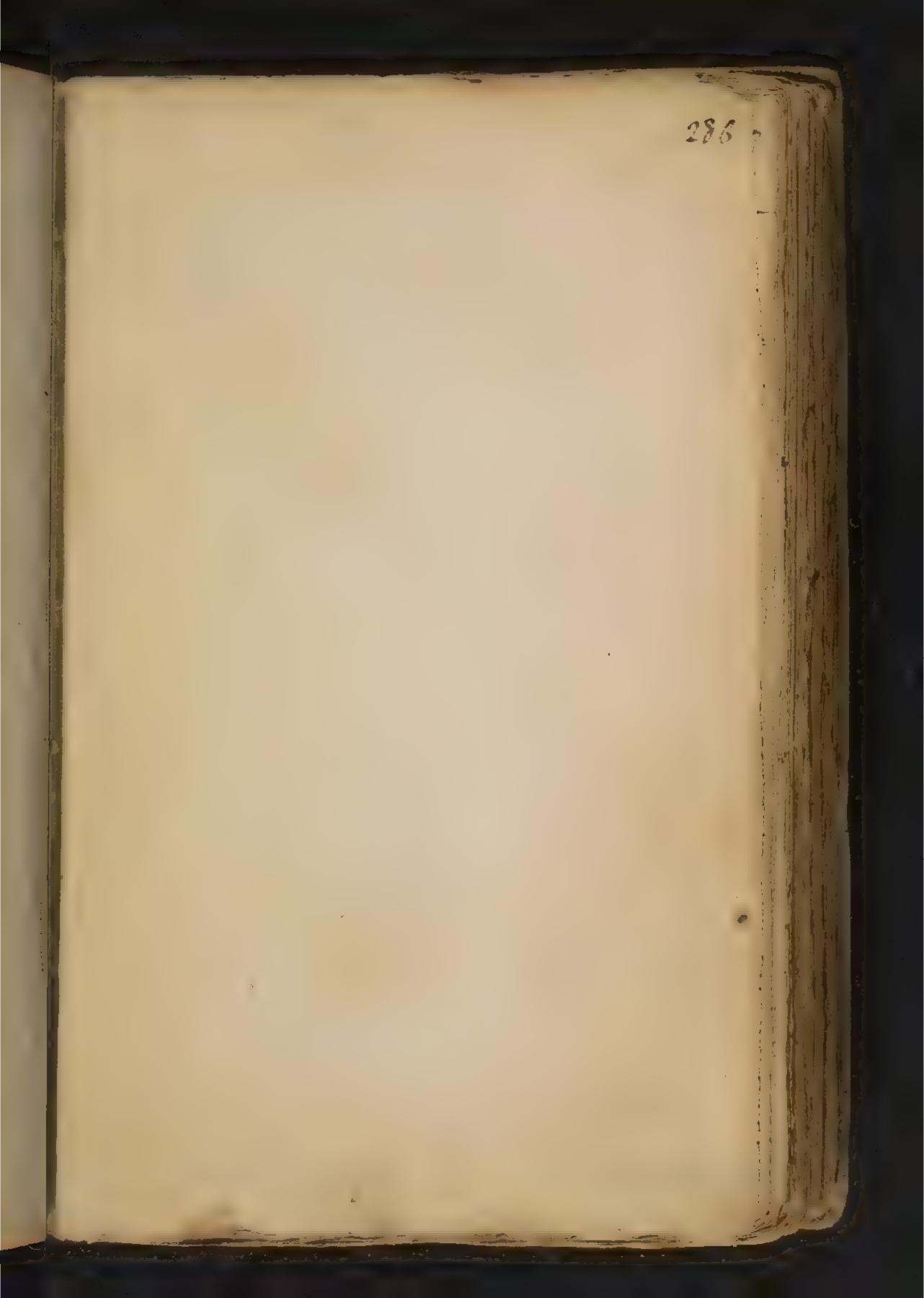


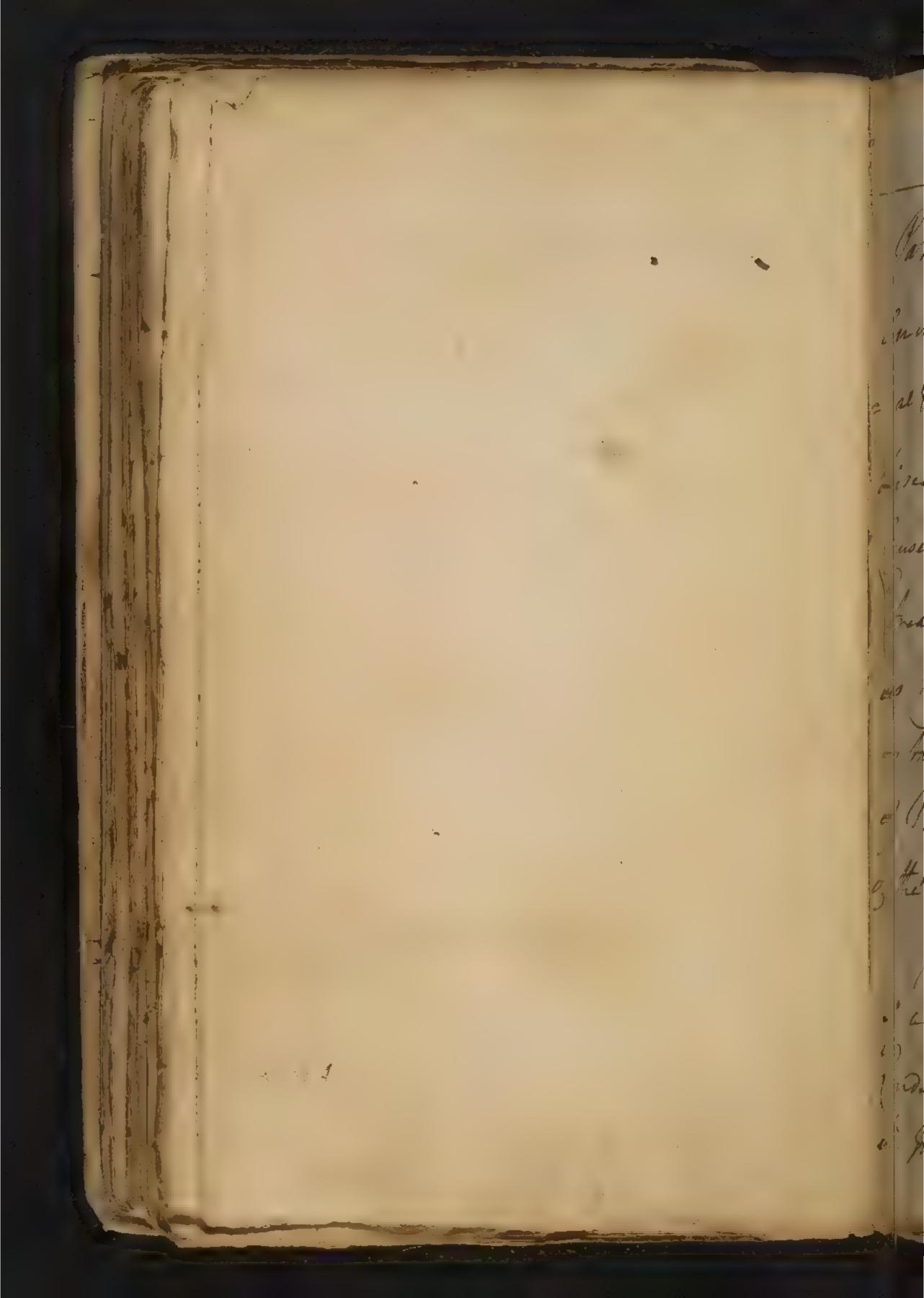
nutrition of Mintystem. Ithrition brown day is constants wearing away the Polio matter four ficoin. Thisman her hunformed andy in the Engely! Edels stant we have no proof of the Thing place the Aslow in applies to prolished furfaces we be nothiable to abrasion. the free face of every part of the Brown is perovided wickers. tes Juices in forward their dicite Content of the Thirds wifing this Them. for com fadmit Irusion or fol utions tathing below are what is Montied Cases which brings are back



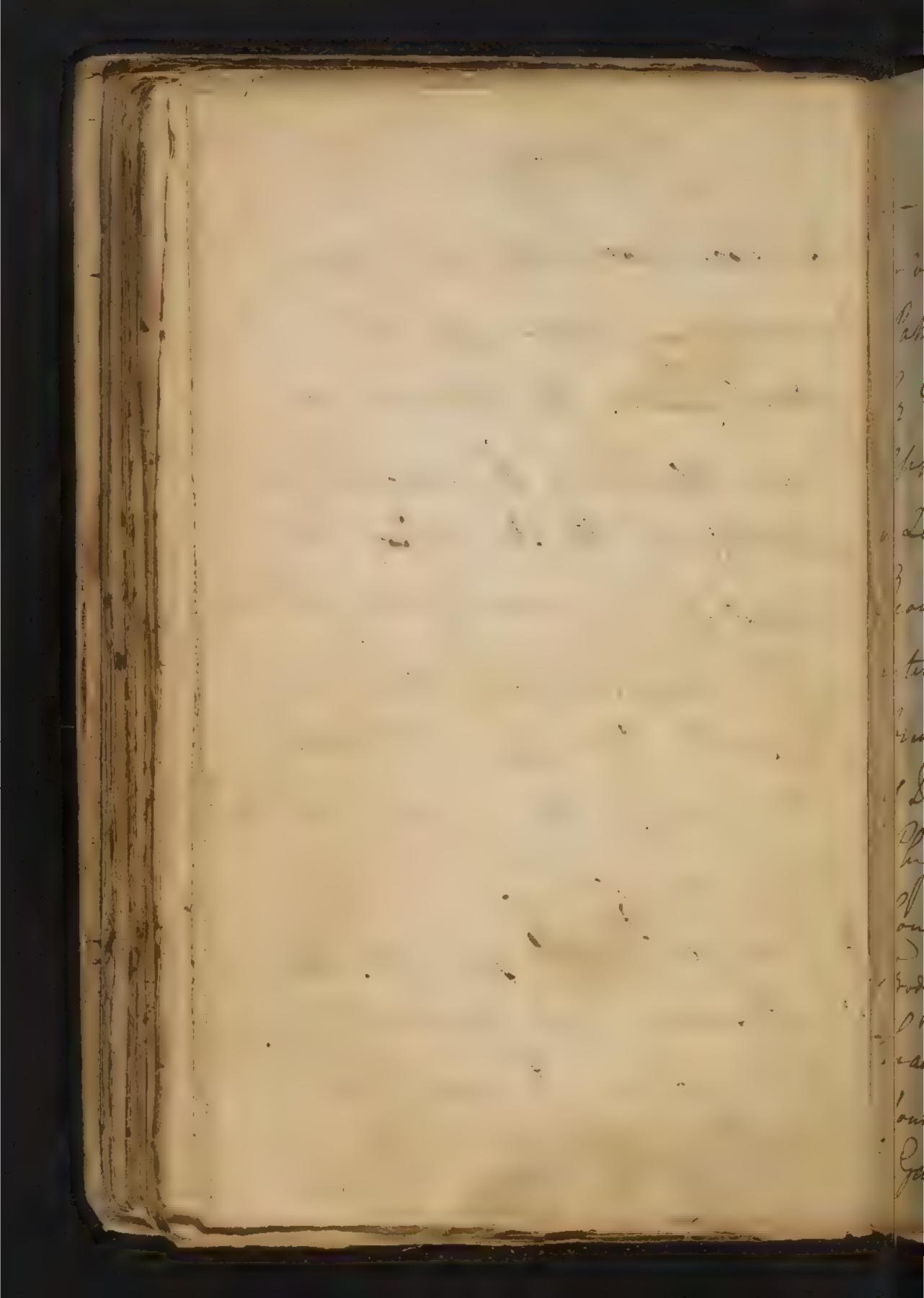
265 Auton toon to our former live of the courses of the Prowette of the history. The hutistions Parathe then when affected after The fran, arrives at its Reme in: estendo squing granter dom te timiun gives greater density, hum The frolide an always growing harden insomuch that un catreme old lige thing lating Horord. This Gentlemen finisher ot Buly Butilian land our Myss: - Argy in funcil. we I hall next invocated to the Mathistory.



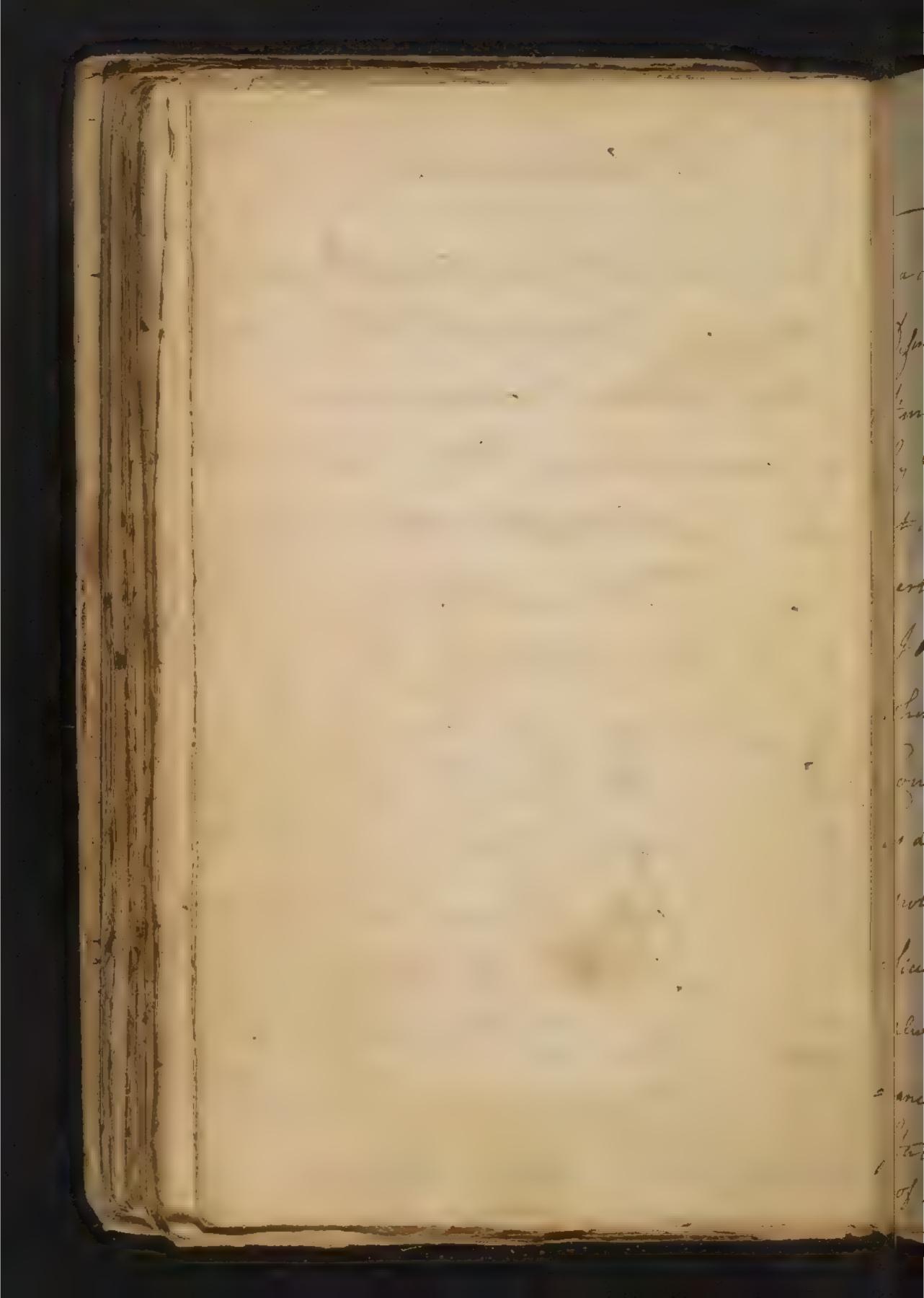




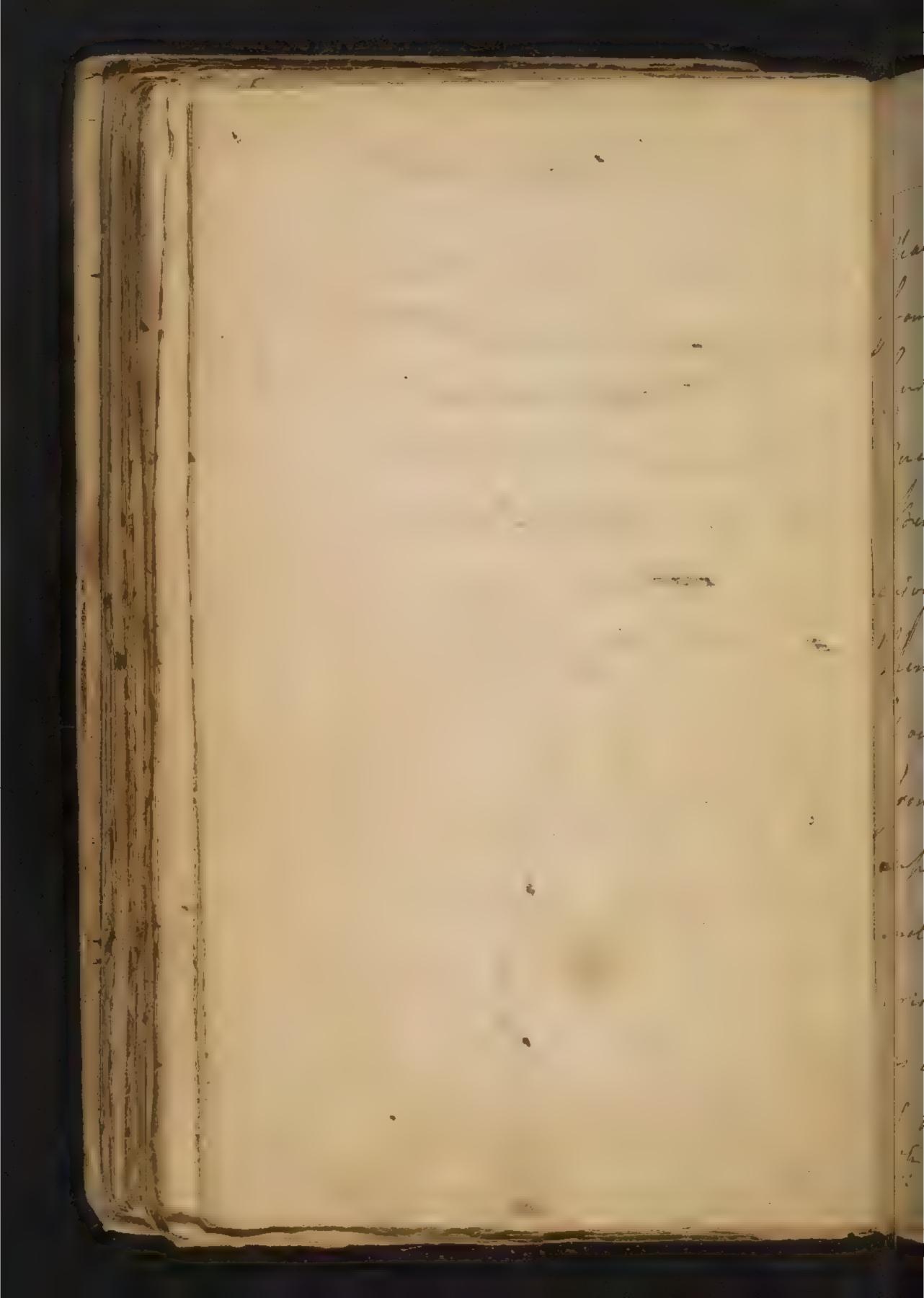
Pathology Cathology treater of the Morbid state of the Commel Body. His of two hinds ifen. a ral 42 The sial. The first weath of Diseases Abstract by by invertigating their Causes & Affects. The Second is that is: ments of the Courses & Affects of Discours de They occur in particular Susons. Do that the first gives the Pathology of The periodo gy, the second of tathology of the Traction of Physic. I shall begin by giving a De finition of a Disease by w: Jundentand that Tondition of an animal Sody in w. Its Tunctions are not performed at all



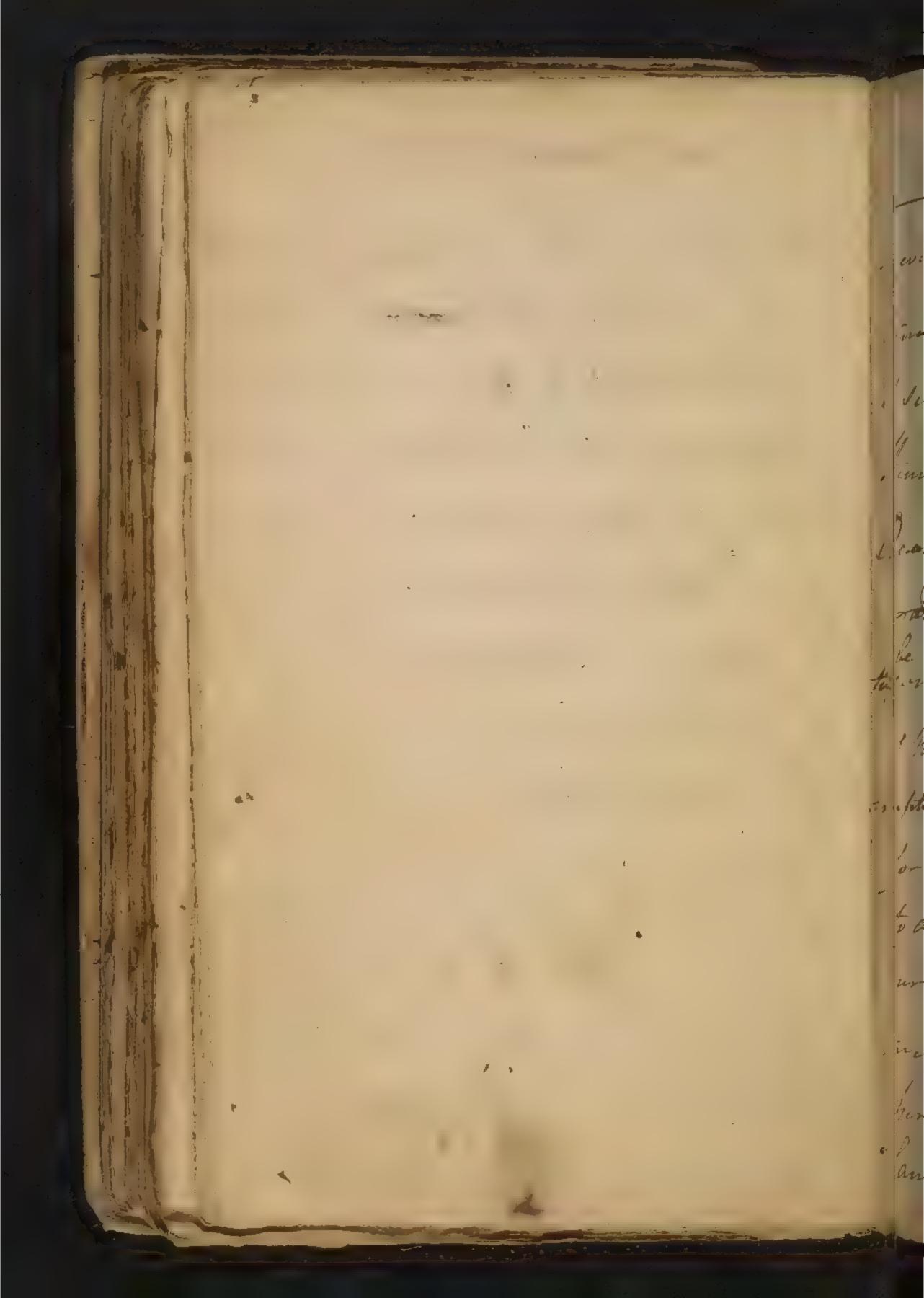
288 a Disease What? or very imperfeetly. Lee § 34 of D'Gaubius. Sattology. a Disease has bunconsidered ly Thyricians in two ways I as an apparent - manifest Internetion or Larian of the actions of the human Commy wont any Regand to the in ternal State of that Boosy. This is the Fin which common People have of Disease. The 2 way w is preculian to (Ingricians) of considering witis that Condition of the internal parts of the Body w unfitsitto perform its ondinary healthy actions, w: Condition is to be Janus out by Reasonings. This is Dr Genetius Definition of a Disease.



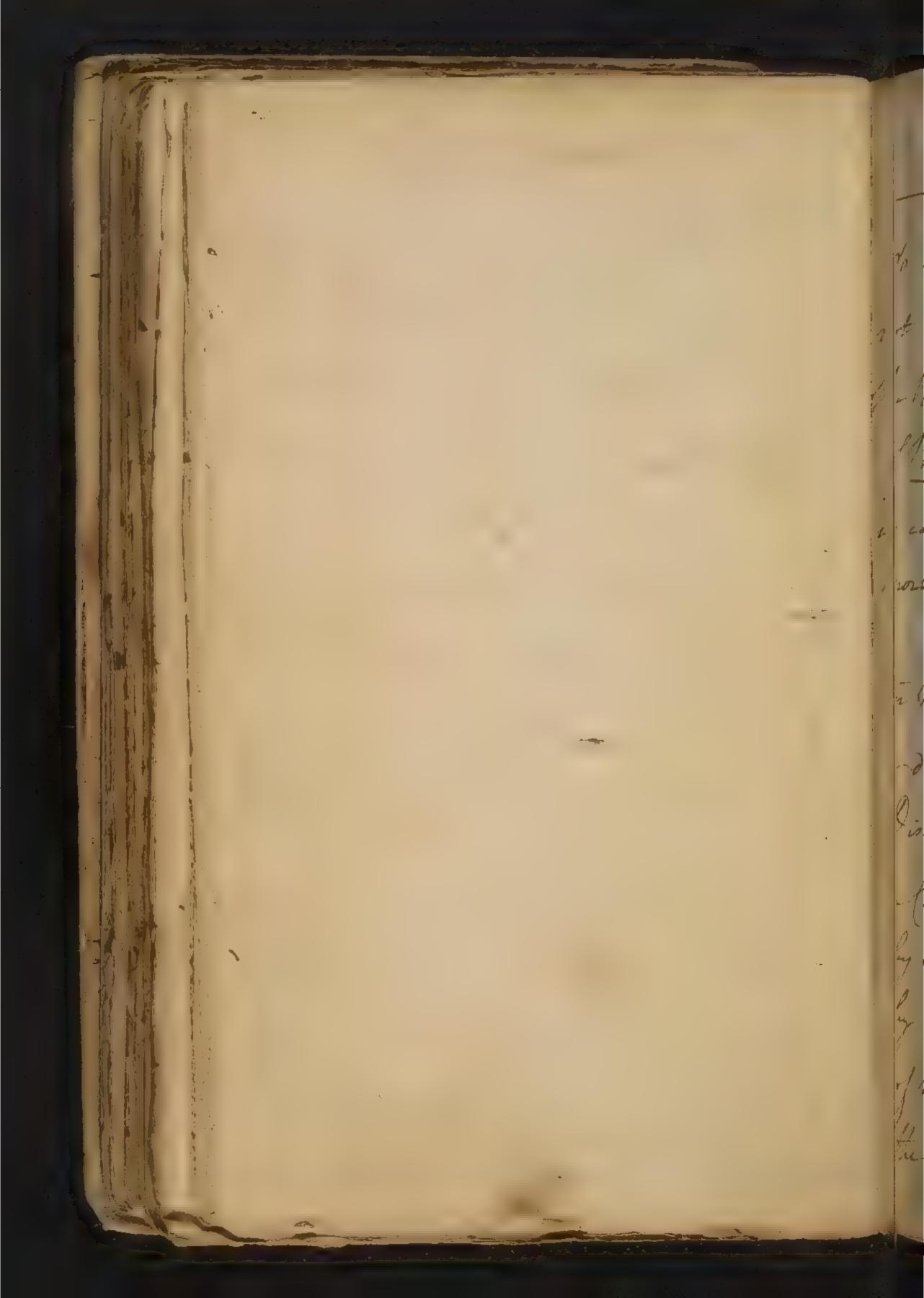
a Disease What? a Luestion arises here & y is wi of these Definitions shall weadonit? For a long time the 1 of them was only employed by Thyricians, and indeed wa arrive at our I nowledge of Diseases only by certain bob external appearances. I adopt therefore the Definition I gave that it is there Distantions when I set out, org: that it is that on dition of the brody in wild not lyw: as D' Gaubius has it its Ditions are not all performed or performed w: Dif. Jiculty. Our chij Regand then must always be paid to besternel life pea. s rances with out any attention to the internal of the Presence of a Disease. But how



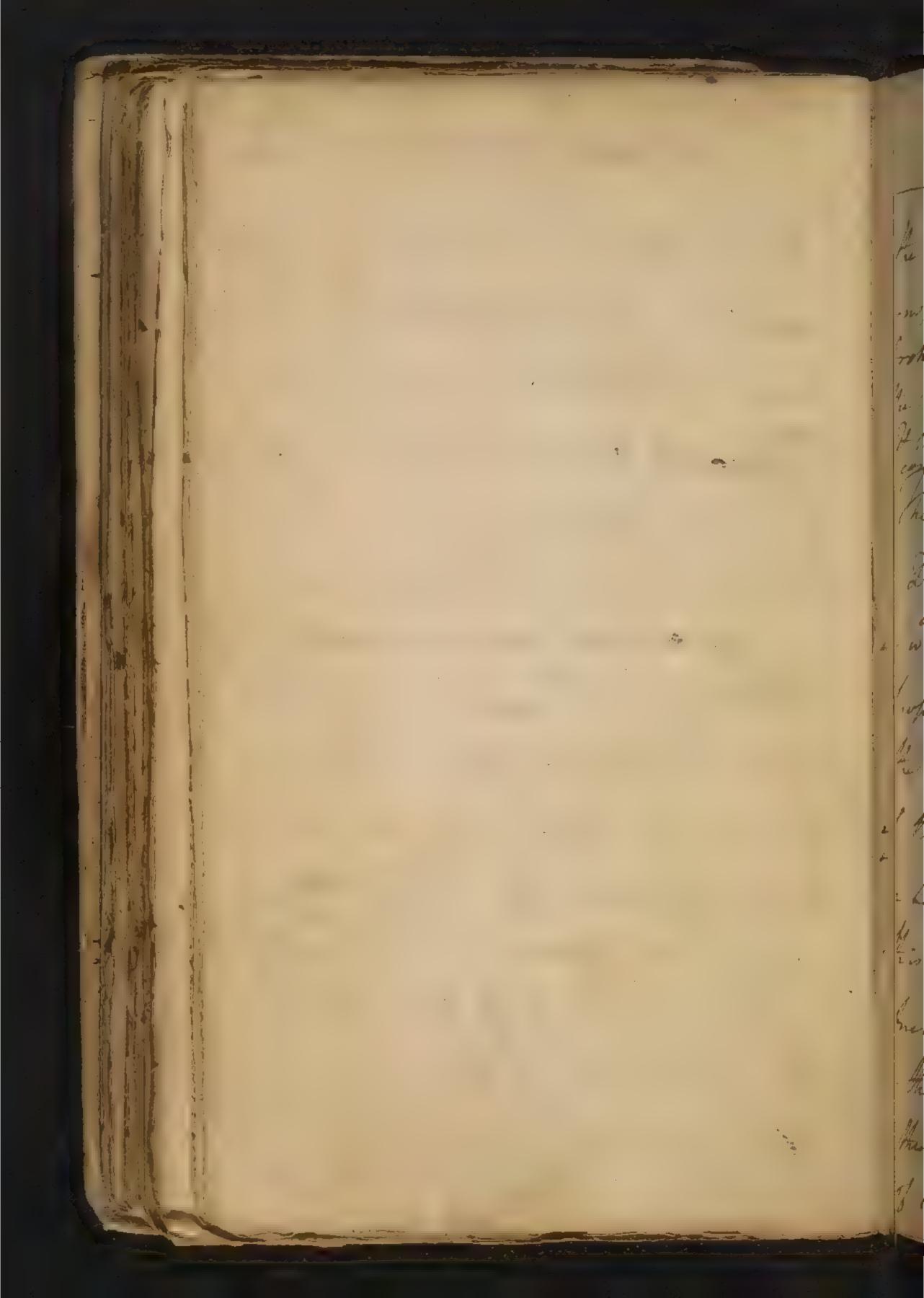
290 a Disease What? Thall we know when the Body Deviates from its beatter state. Some every lenons Constitutions differe den is Real the in Rue Man would be Disease in lindthin. Bresides & heleive for men in the bords enjoy uninterrulated fealth. we must men allow a Latetino Vanitatis Il our Judgment of Diseases must be Deduced your a midium flate of the Book when Cupposed to be in Seatth w: must include the Deviations from Mealth w: arise from lige det & fim peraments. as also the Sunfrespections in the Sycanisse of the Fennetions in particular Cusons :: arise from Latigne be. Museline



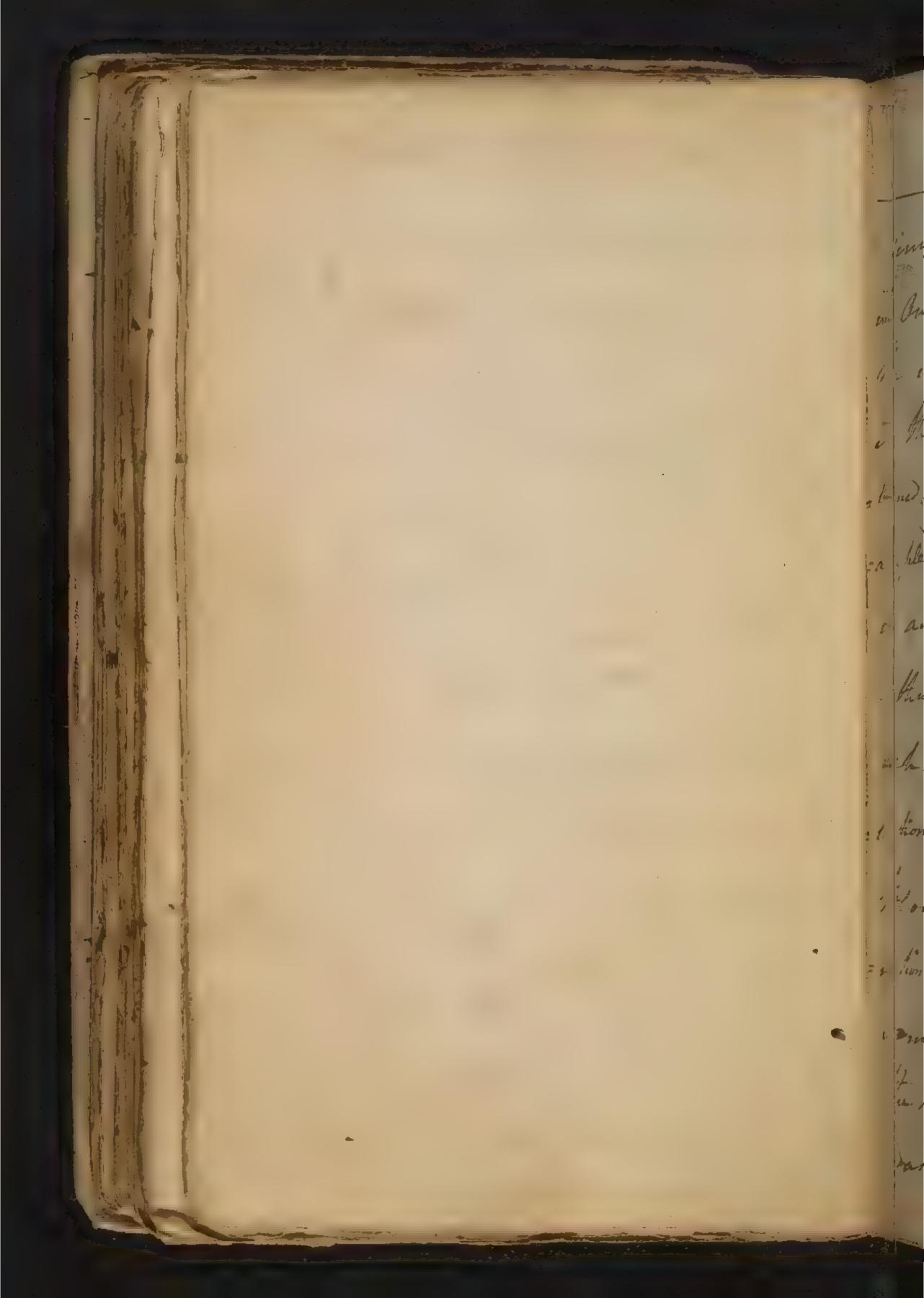
a Disease what? never to be considered praherly and iseus since no line is exempted from them, Hoine trature him ill quickly removes Them by the ordinary powers of the Deservery. I wow Represt again y: andiso that state of the Body only to com sidered as a Disease when & Lunding It the he alothy on Body are do inten rufited as to hunform a w: Innamely 805 or a considerable time Have Obvious to our Junes. Junet add here that our potions of Direase must likewise? include the State of the mind . But here too we must allow a Lantindo Janitation Thysic has butting to



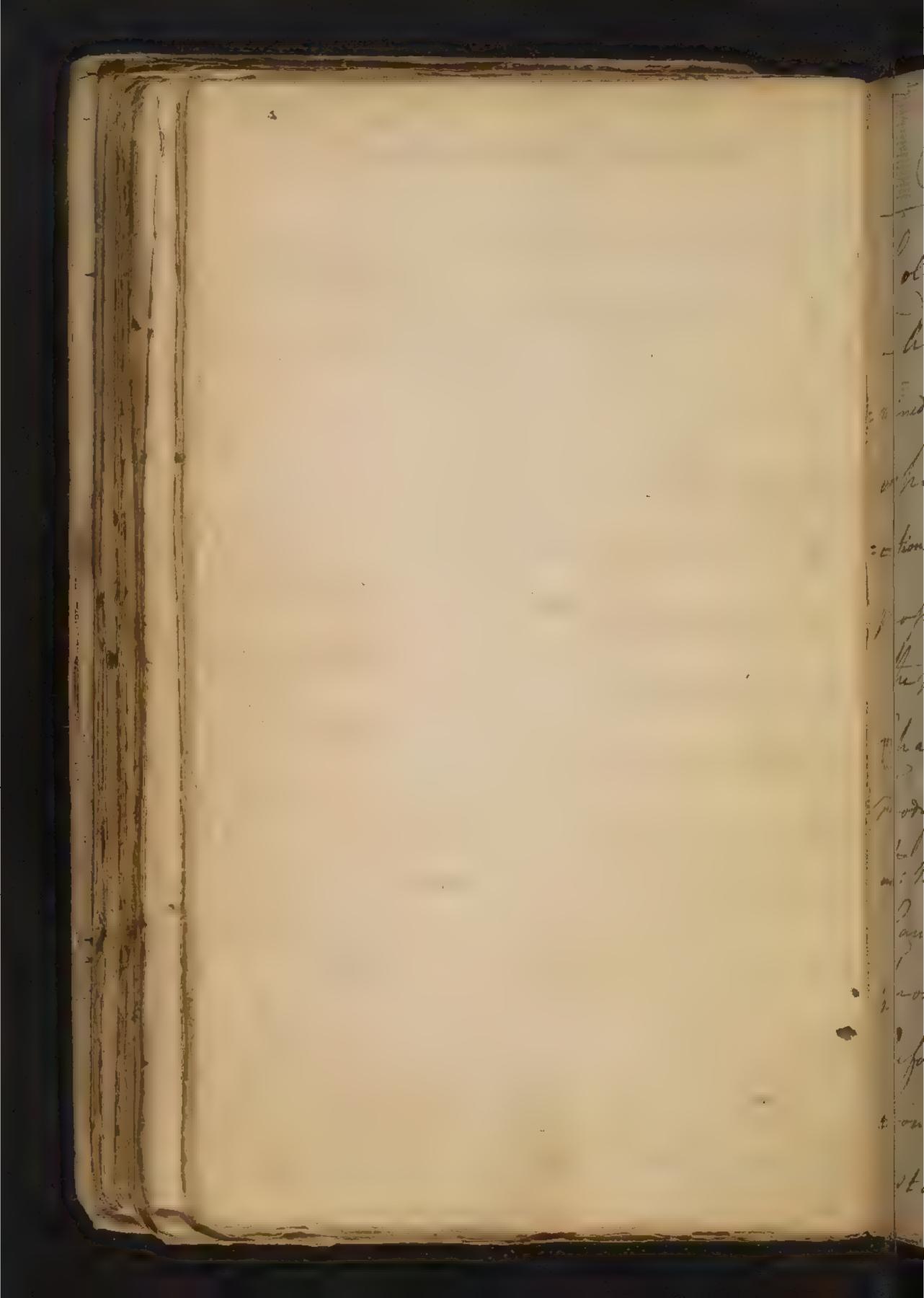
292 a Disease What? do w: any Direases of the Tuind woo not defrend immidiately on the states the Body. Hally & have are the Objects of the isothy & not of Physics Unlefo we can prove they Drive from some morbid affection of the body. Lyo on now to explain atherverms m l'athology. Diseases are marked or distinguished by their lanses, for every Disease is an Afect w: depends whom a Chain offenses. This may beilles trated by supposing a man in a fear tright will by a their ter touch off from the field of the thip. The Splinter have was The Immediate or proximate faces of



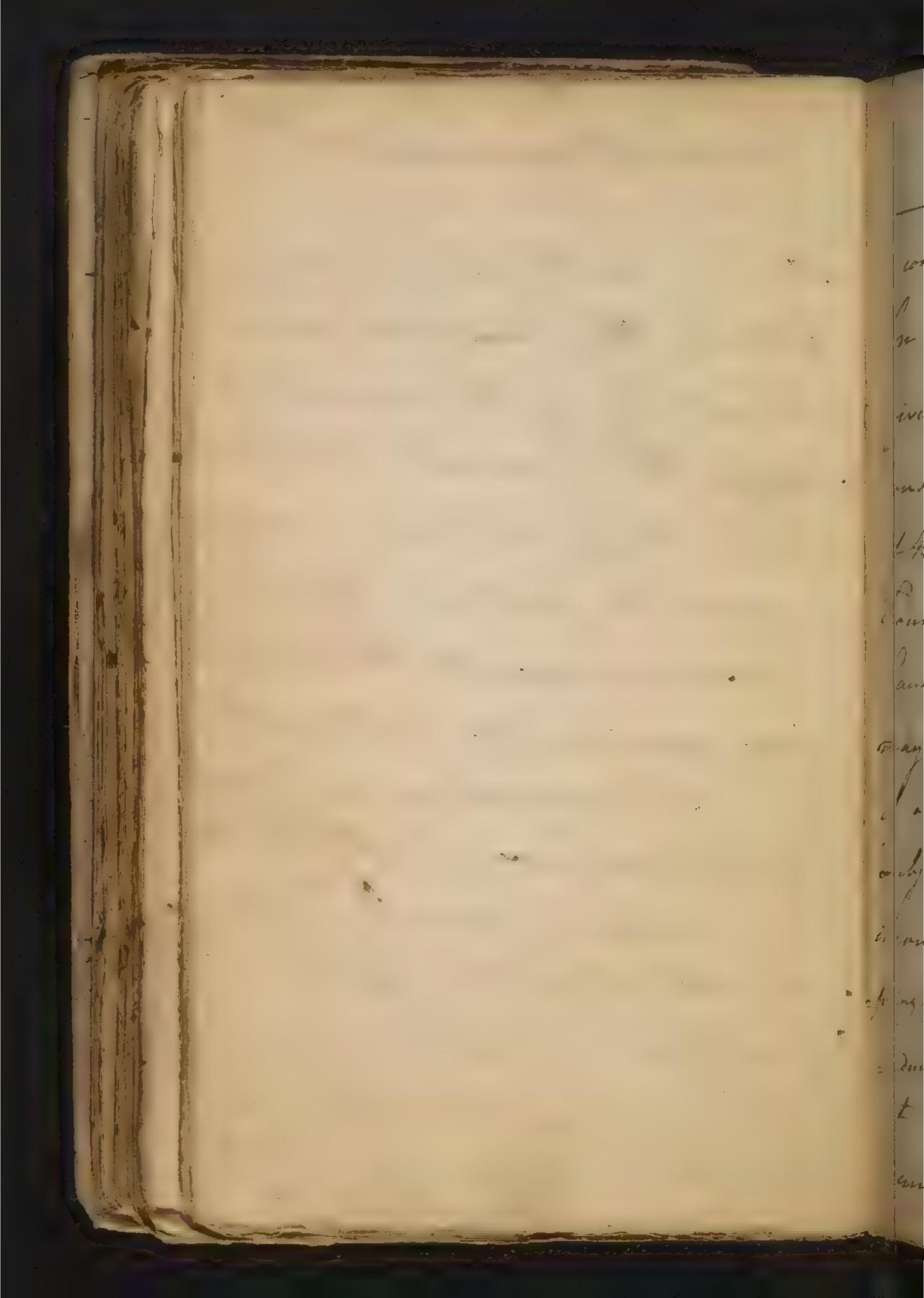
Courses of Diserses What? the man's Death. but a chain of jourses constined to nodem this such as y Bally: broke off the Splinter - The Common from Whence Hu Ball came - The provider that drove it I the flach of hat set fire to it all these are composidered as remote lances. The in mediate or proximate auscor a disease in that that of the Body in w: the Functions cannot be her formed howherly on w Lase. Thus in a Rheumating the proximate fourse is the Aver Distintion of the bufsels of the part affected. but a Levier of fauses conspire to produce Fris Clare down eso Hertreution - an Increased listion est the Blood Prefects. - the Ofenation of for Thefile. all Much last auser his distinguism by Jeanne of Remote. Remote famus are seldom



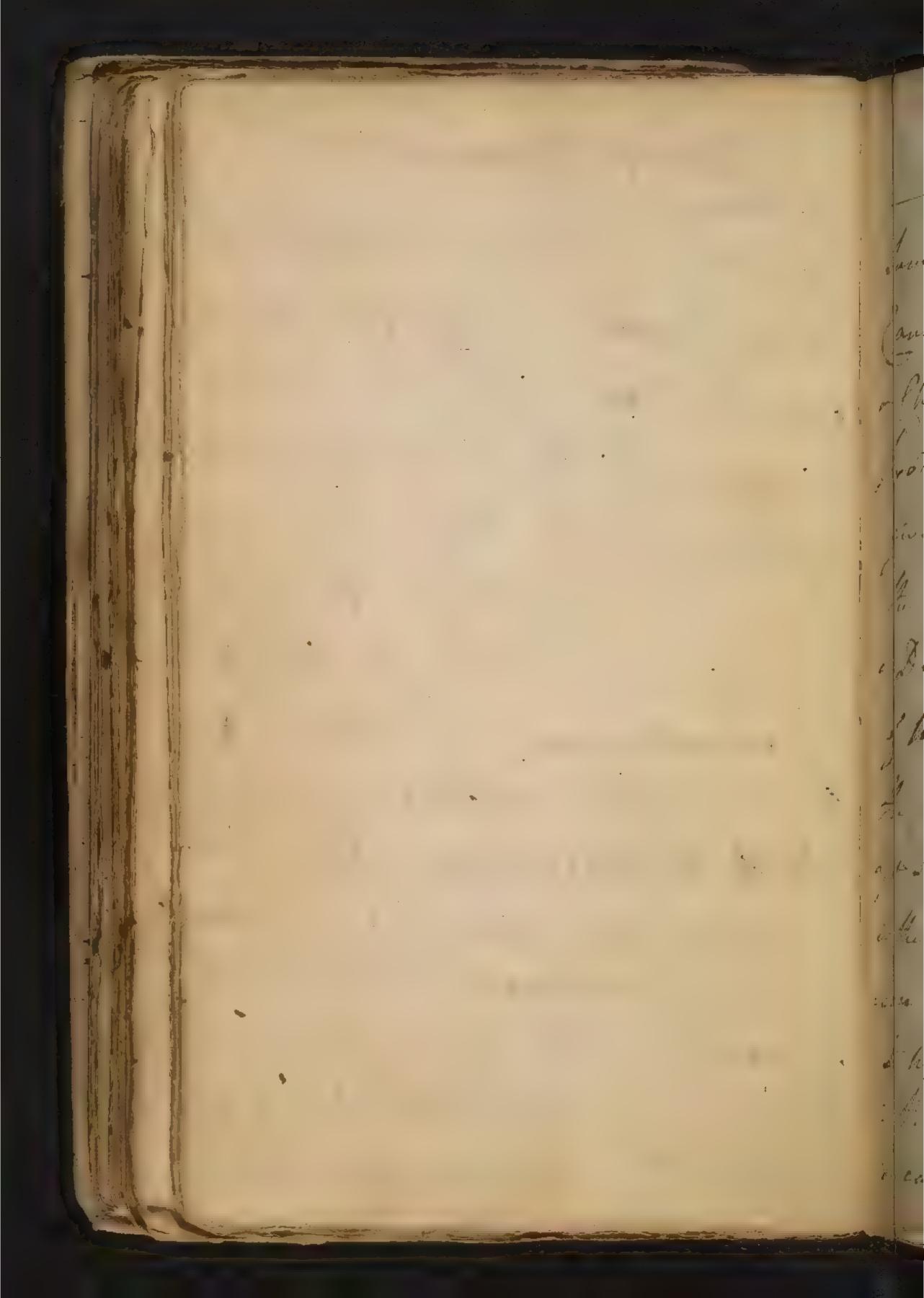
Courses of Liveases What? Simple, but mostly act in longunition wi One another. Thus the Mofmetion & The increased de liver of the Blood Fifthe in the Theumation are always come hined trigether. let us to be another be = is an Cumulation of hater in g Polodomen. this Commulation is owing to y Infects cahaling to numb Lymph. Mis Ixha. lation may be owing to a Itagnation of Polood in the Juna portarium, this that: nation man bearing to a judy forepion of dome wonal transfor duch as The Henry orrhoidal flux w: pefinion was occasioned by The application of the



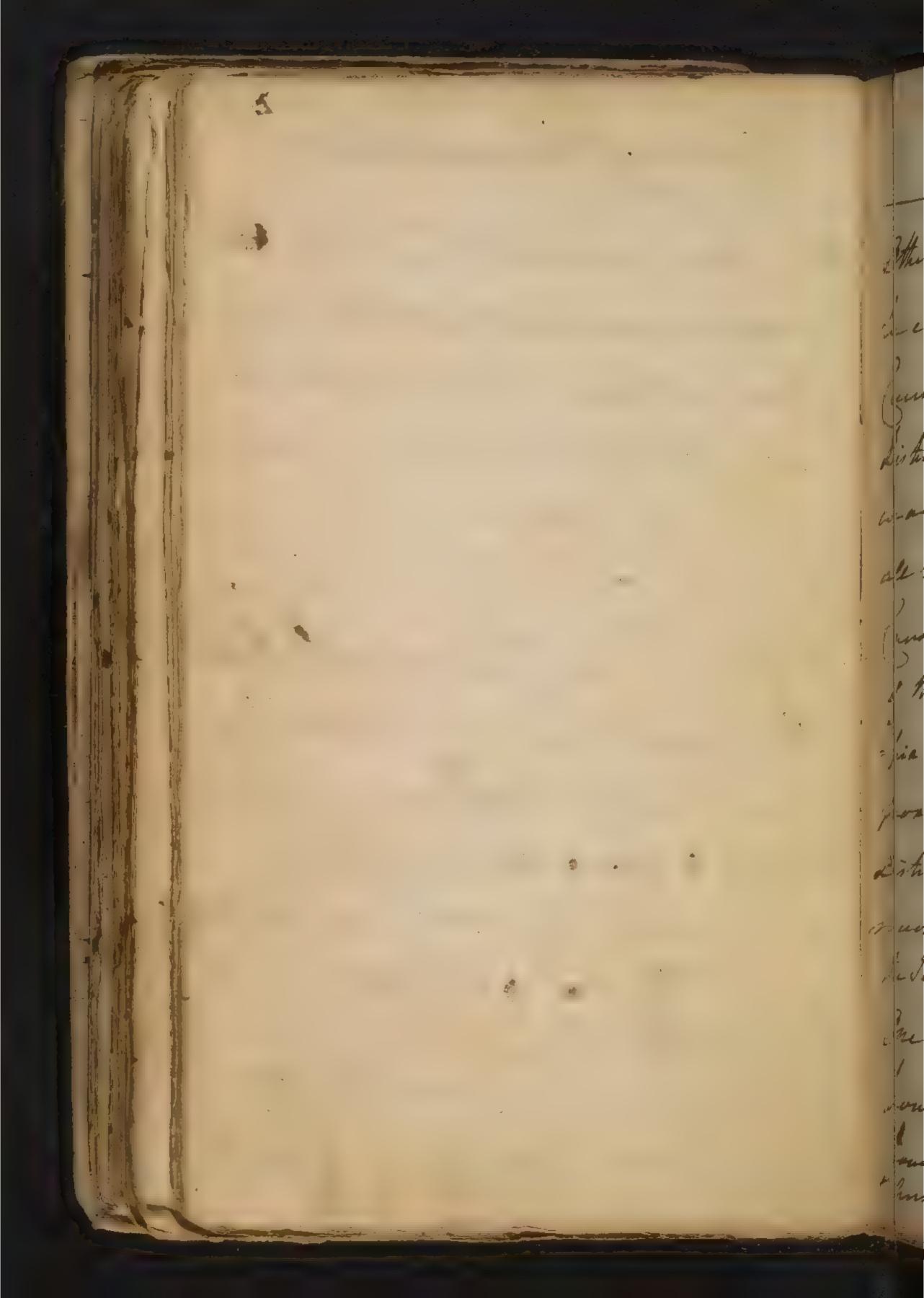
Tauses of Directes what? old here was the suly remote fourse. - all the Other angles are do win. : trined that they are to be considered as parts of the prozimate. Bur Indi: = cations of fare therefore in Diseases is always. pro-hortioned to the Tratumes or humber of The proximate (auses. do that every hange gon de induced upon The Body is to be considered as connected w: the proximate aux. Non the Remote Course in Lune times conscreted w: The for one ins ate. there if the plinter we hefore of whitines in go wounded partedo ao to heep out a war. - I tant direction it is them to be



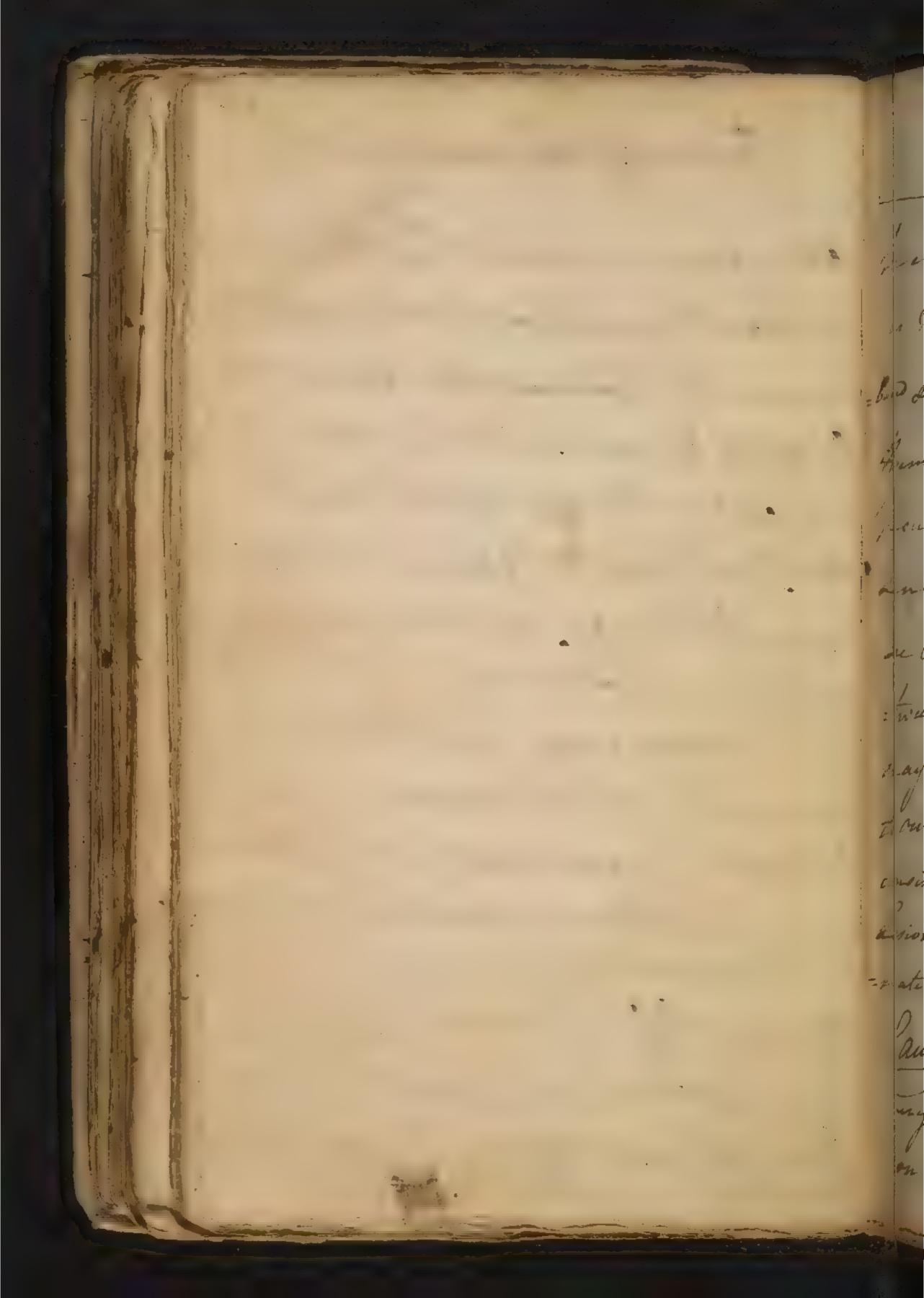
Causes of Diseases what? considered as the proximate Course of it. per a word then every ause that gives Rise to un projection is to be considered as hart of the Frominate, I have as Remote wide not give any Foundation to Indicathous. Indisposing Tanses of we we shall sheak hereafter) may same times act as proximate. Thus if a Mon from a plithorie flate is dubjut to farmonhages, this Hetting is considered generally only as a prodis point foure but I think It should become : sidend as frant of the freezionate faure as it orgains un Indication of fluore to me remove it o proximate fauns have



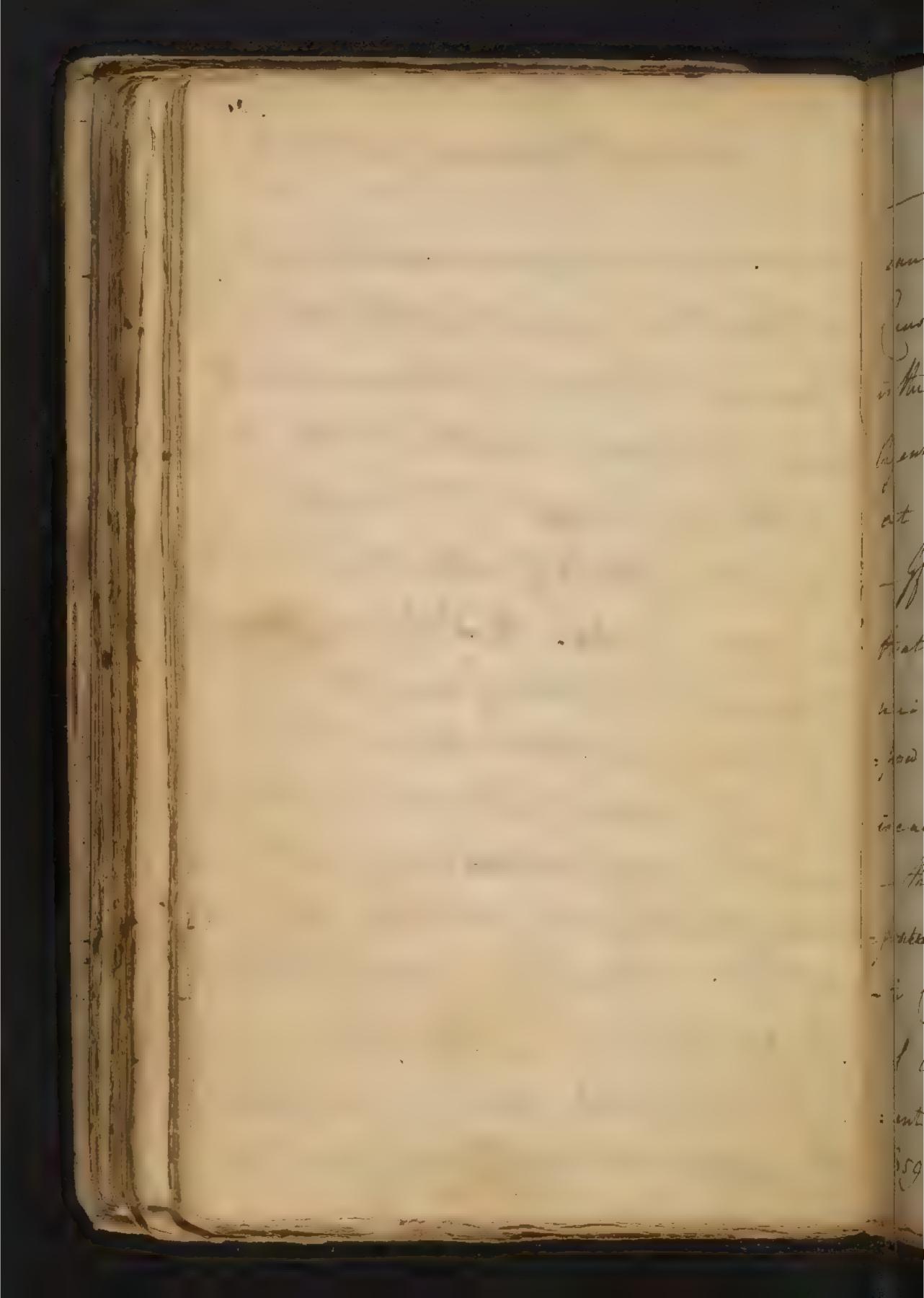
Tourses of Livenses what? 291 James times francolles for timent Caused as comprehending all the feries or Chain of Pauses in eurospine to produce the discuses. This custainly lives and the most Distinct View of the Cation of the proximate ause of e d'is a asci, de a Boerhawelle finition of the proximates nurse wi think by far The most unexceptioned any flower 1 the Leun & 740. the Court morima is the anty true physical ause of a dis. care du Brégantiels \$61. 8 \$ 74. Runding to haffin the farminate fame of a lisease he calle it of a direase Depends. all the



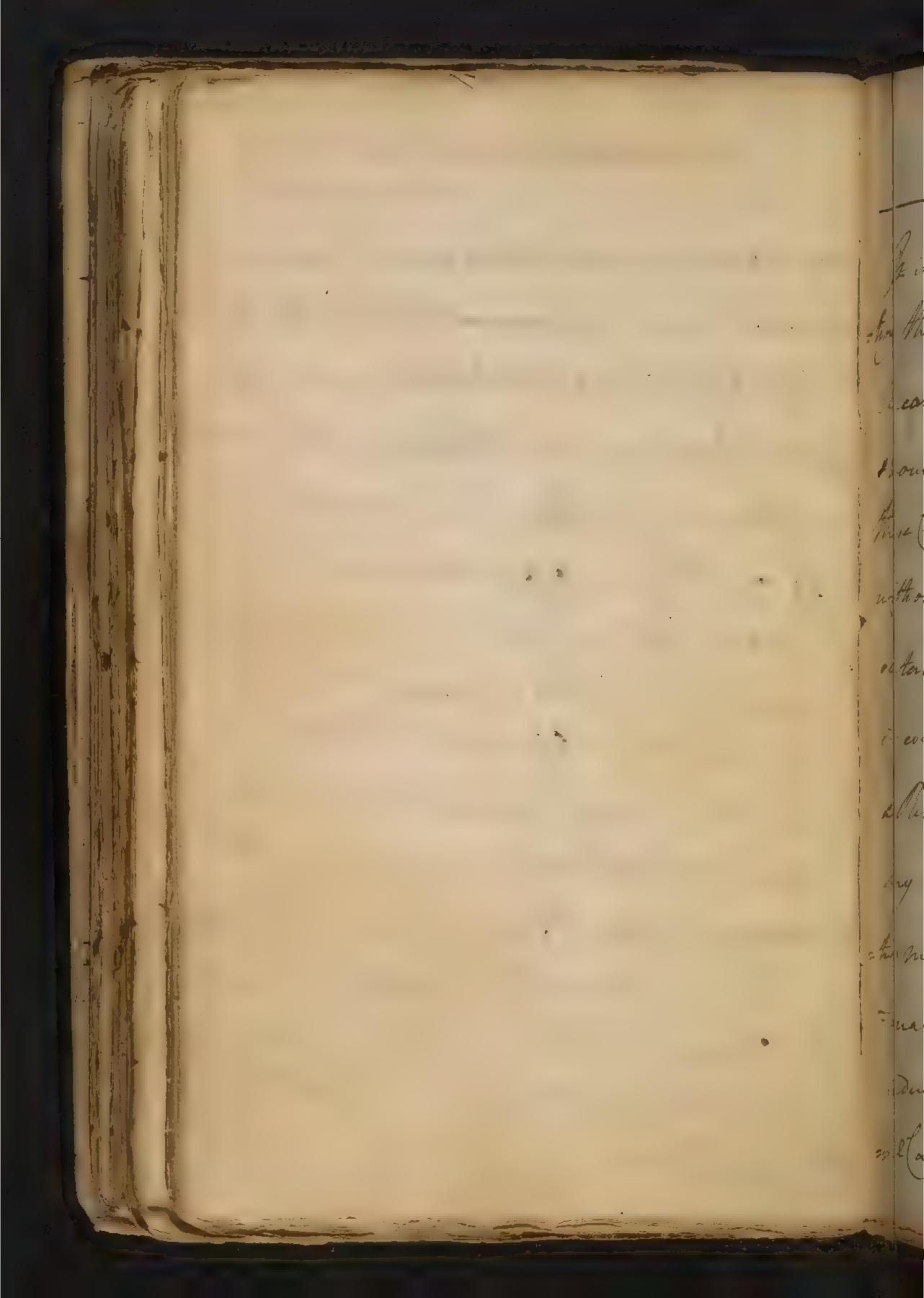
Courses of a Disease what? tother lances commented w: the presimate he calls Trincities on only popible Cours. In: Sauvage has Adopted this Distinction & uses it this his work. with weadout it literwise it would overthrow all the Distriction of proximate Gremote Courses, & thus give us more simple Views of the Courses of Diseases. The love Princis = pia includes every lanse that is not proximate. But however just this: Distinction is we must not difficulto is the Schools as to adopt it. In more Difficulty owns here & y is how thall we distinguish a Disease from its proximate faure? Lee & fouling.



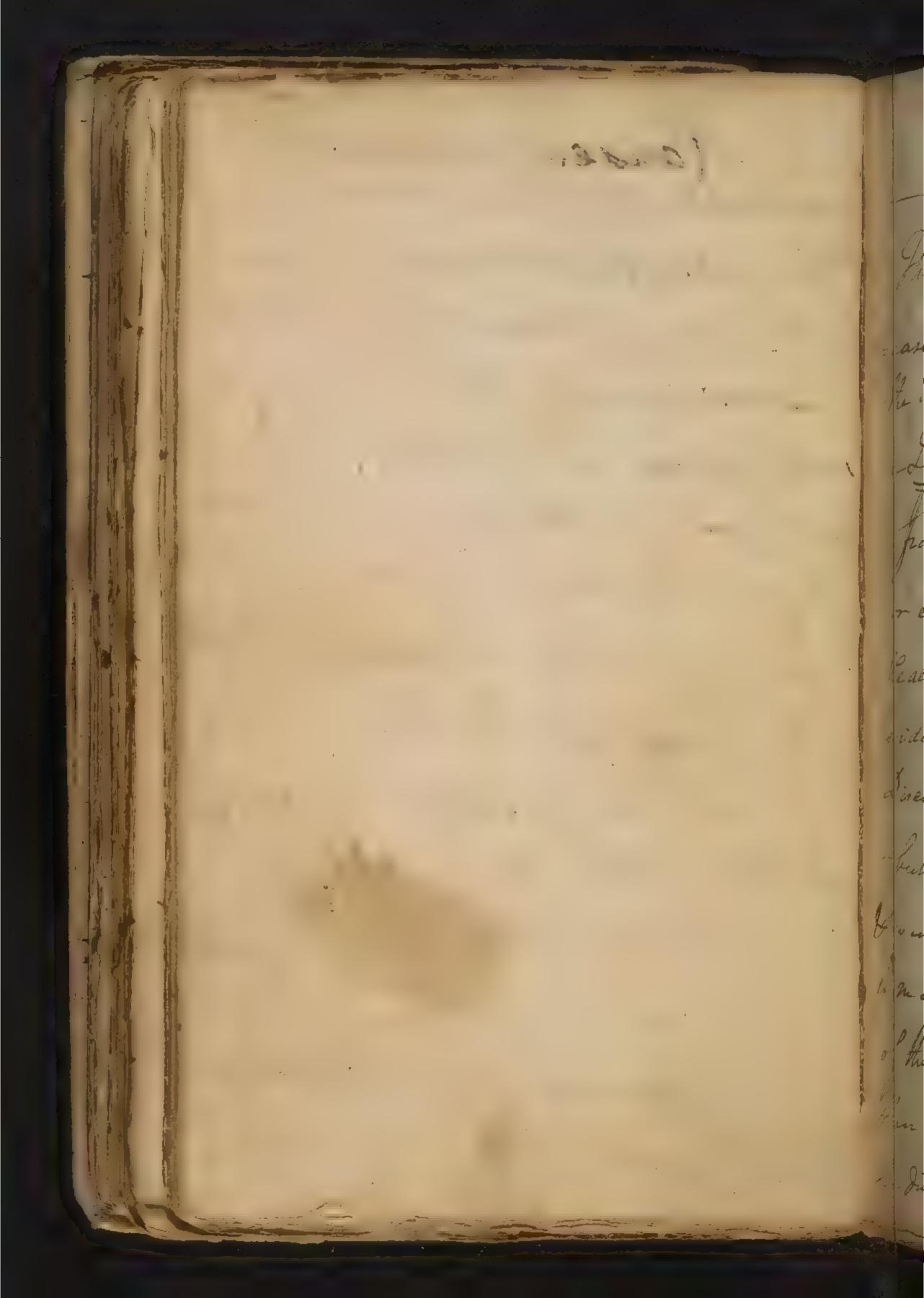
Causes of Diseases what? he considers Courses as acting timply as Rimite but when they are were: bind do as to produce a Disease heallo Them proximate. but this hotion is reculiar to himself. De Boerhaue was Lensible of the Difficulty of this Question see again 2740. The Diffinnes then be : Twun a Disease Hits proximate Cause may easily heresolved by having Recourse to our Definition of a Disease triz: thatit consisted in apparent & uneasy & furmement Lacrious of the Franctions of the Body. the proxilauses tahen in a layer Tenor are very Compound. Lome Causes actively on certain bod ico, & forme Bodies hyain



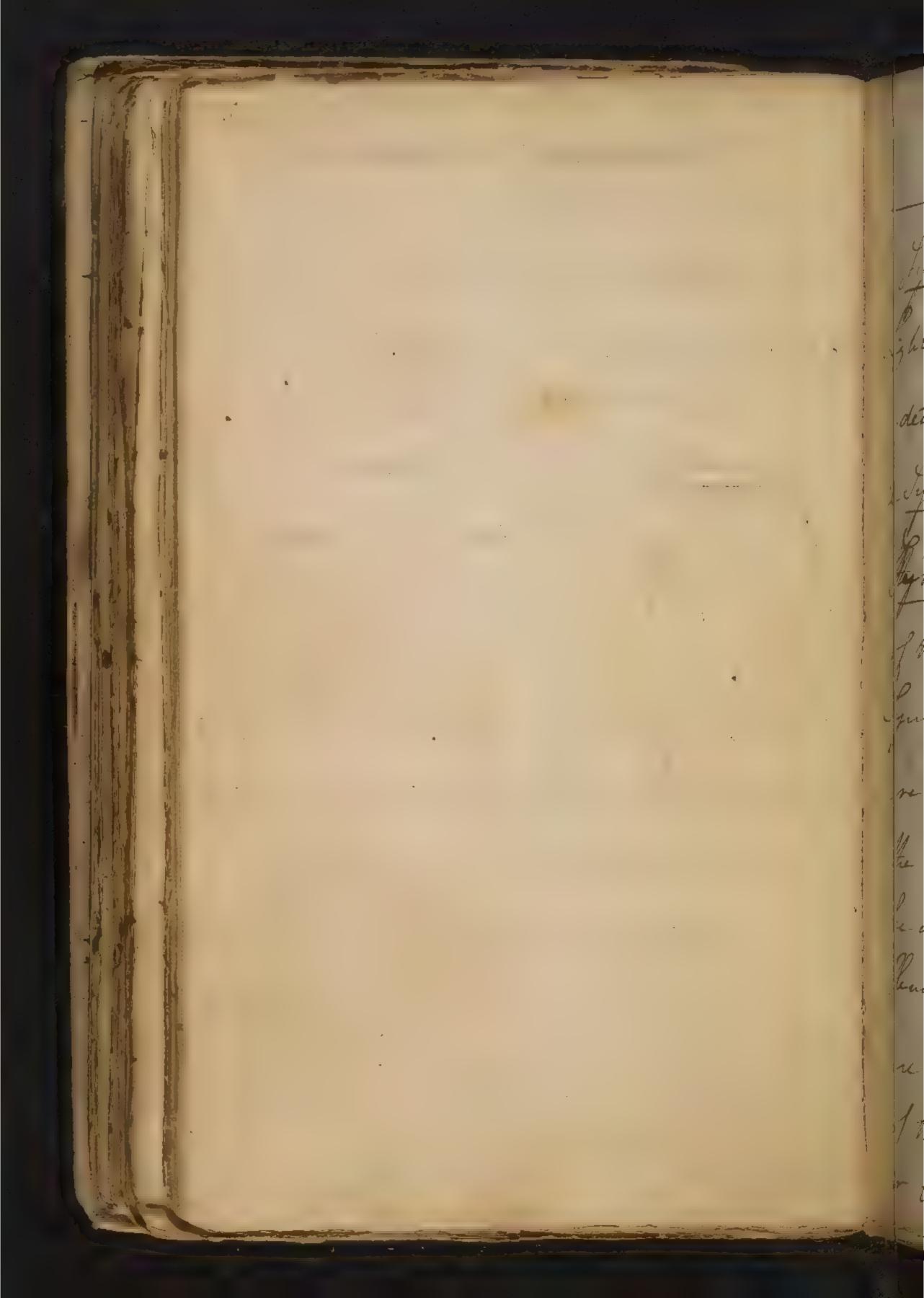
Courses of Diseases What? can andy be acted whom by certain (unses. in the human brody the hory is the Patient, external Bodies are the agents want on it, I there agents will aut avording to the Condition of the Body. - Ha Body is affected by an agent that does not act on all human Bodies universally that Body is dais to be predis. : pared to such an affection, Ithis Course is called in Latin Tourse Pudisponens'
- Ahore agents wi act only in lusur of Predis hositionance called Parasional or procesting - tri lanses. heme De Boerhaave Speathing. of Accasional Courses says a folis ho: : cent prædispositis, der also de Gaulius \$59 on the Distinction of these two Causes.



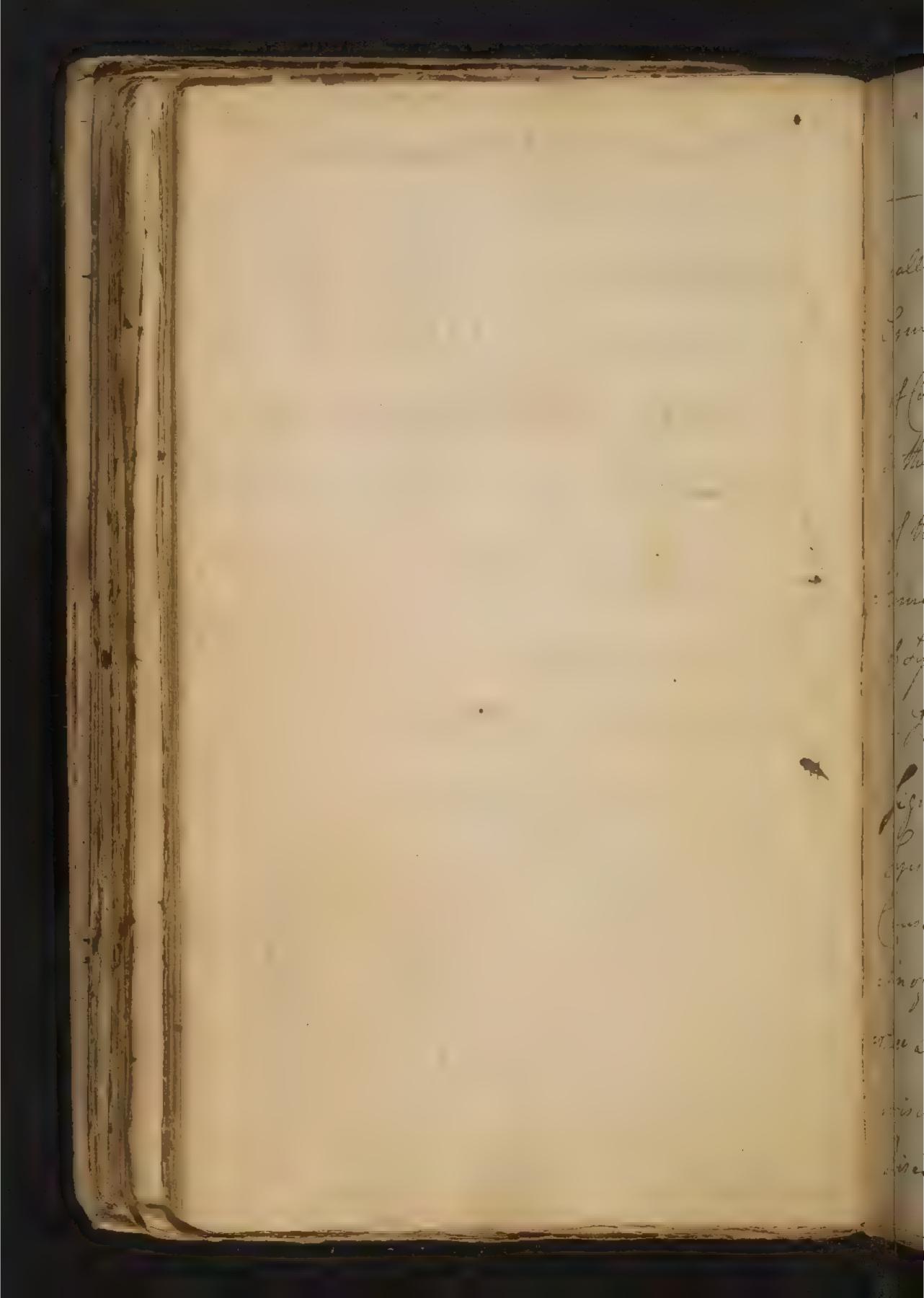
Causes of a Disease What? It is not dufficient therefore in encouvera: thing the Courses of Diseases to mention the Recasional Penes Buly. The Remote Courses thout always be printes out tihewise as Those Courses in apperate alike on allfour titutions without any peculiar predisposition. Thus a certain Degree of From will produce a Finantione in every mans hull . here thin you dec allimote Coun producing a Disease without any Pudisportion. But again a Pudisposi: - tion may produce a Direase without an Ocea, Forallause such as a Mittora which Office induces a Gomonhage without any Oceanio: = mul ause to excite itim Those who and infund toit.



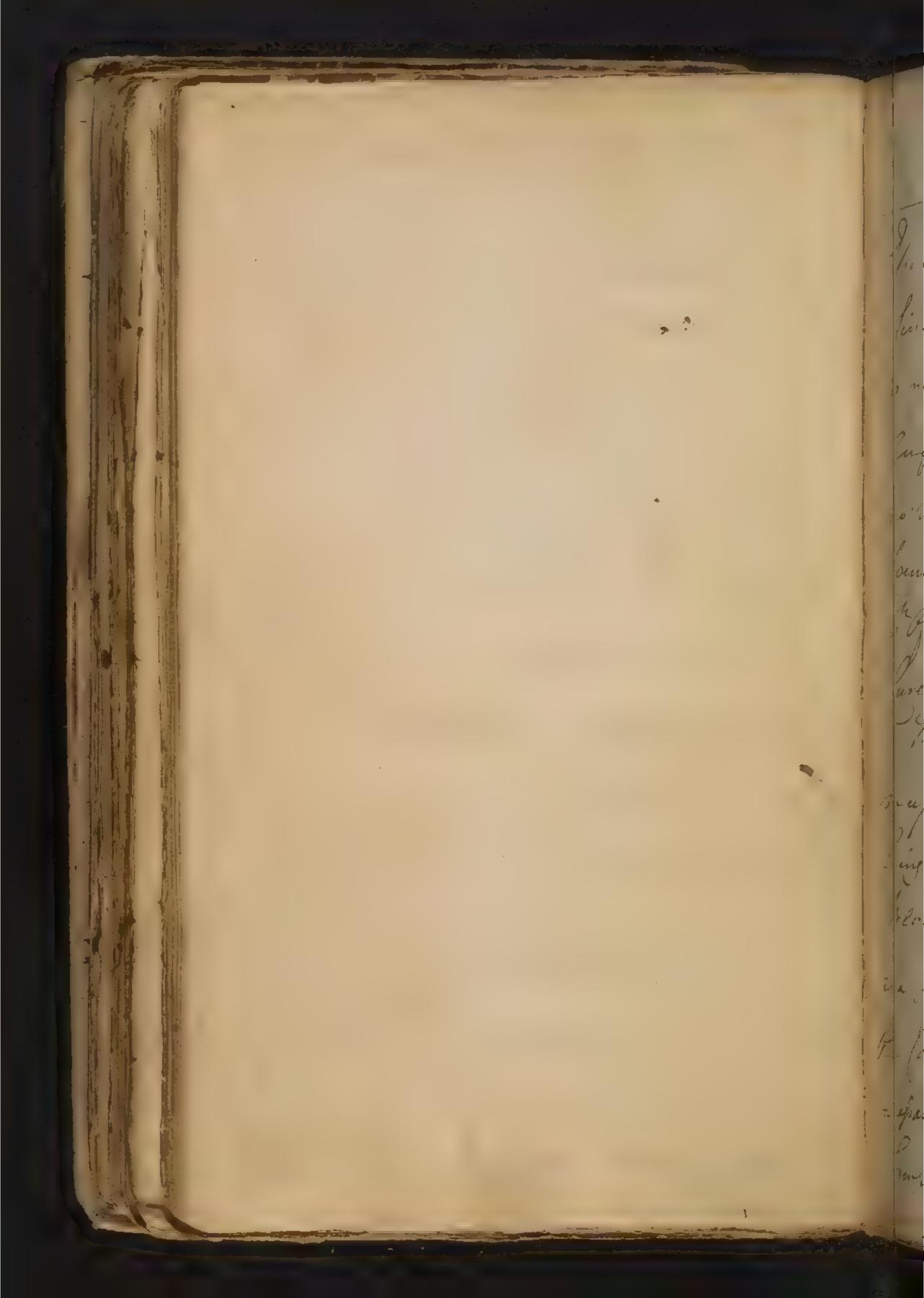
Tymistoms of a Disease what? His finishes our Cut of the Causes of Dis: the Times now to exhapt the Effects of Direases. a Lymptom is every apparent Deviation from the usual bordinary healthy flate or every thanomenon y: does not occur in Realth. It is always somewhat externally evident. a dynaptom may som itimes be y: Disease its off as in the Case of the Lafe of fight. - but a lase of this kind very Lel domours, Heren a Lop of Fight is always attended wow or less of a preter tratural Inlargument of the pupil or with head Cute a Direase From & its fynthoms may in almost all ares be distinguished from each Other. Leed Sauling. \$ 86.



Tymptome of a Disease What? Tymptoms have been viewed in different Lights from their Causes It he ave been divi: - ded into 3 h inds 1 Symptomata murbi. 2 Tymptomata aus & 4 9 the Lymptomater Hyring tomatum. The I are y Lymptoms of the proximate (ause . The 2: are the Tymptoms of the remote June 5. The 3. are decondary dynaptoms proceeding from The two first Lynn betoms. are theremay be Mustrated by taking hoties of a Hemasy. This frain- Leever be Cough one dynastomata surbi or Symptoms of the presimate laure, but if a longrai or lengina attents a Reunary it is



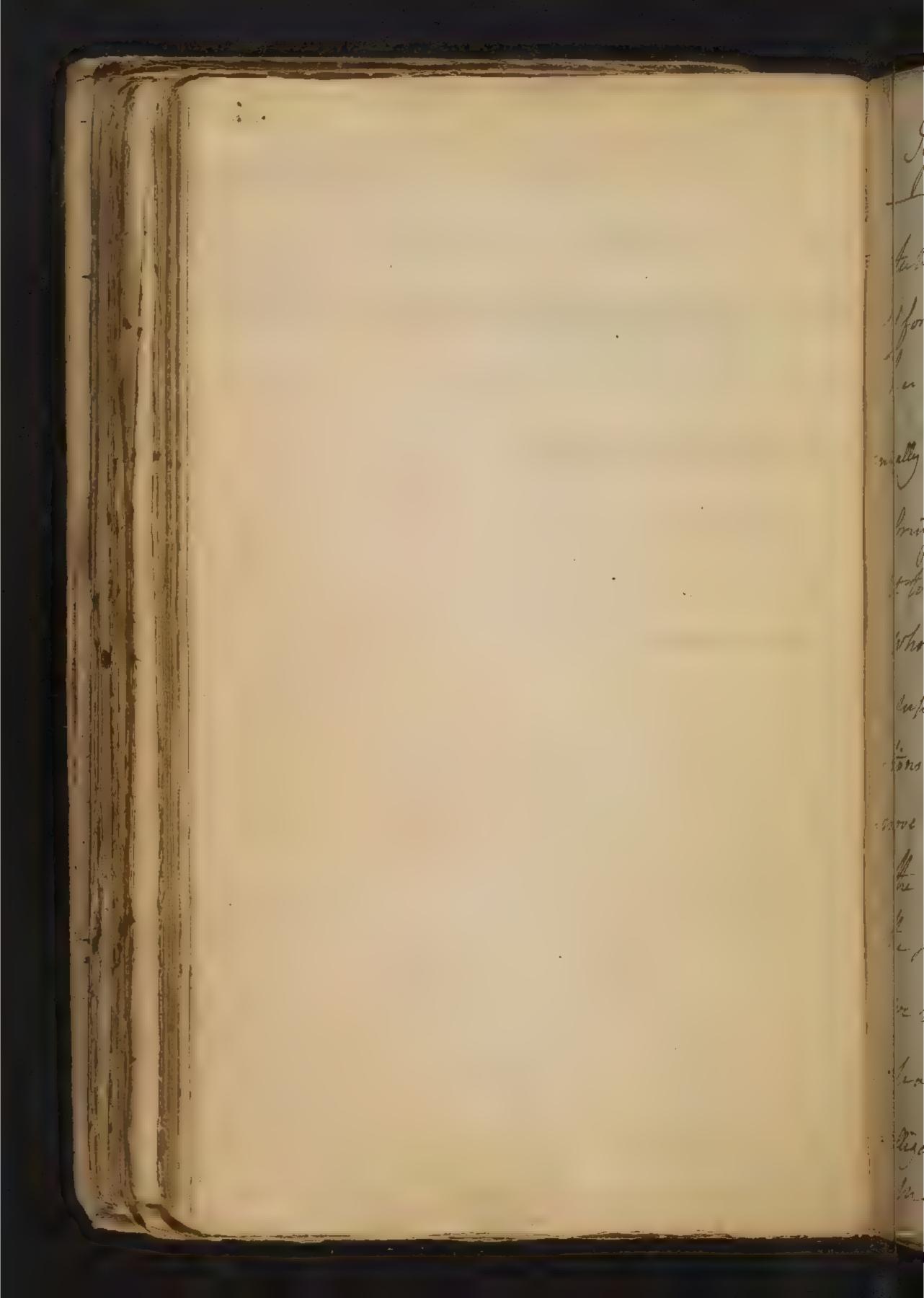
Lymptoms of Discares what? called dymptoma fausa remoto, or Tyun toms arising from the Cetion of fold. The Difficult luspiration w. is the Alect of the Jeain Want merely of the Inflammation is a dynastiona dyna - ternatis. In Distriction of these Three kinds of organistoms have the this time in Physic. - Thom Tymptoms w: are Pathognomonic figues of a Disease are propunty called Tymptomata morbi. The Tymptomata Causa deun nather to arise pour a fairjune. : hon of two different disease o . Then a Ramon Theye down times attende thislepty when it arisu from Methoras but her an two Diseases for we often have Pettora & ero



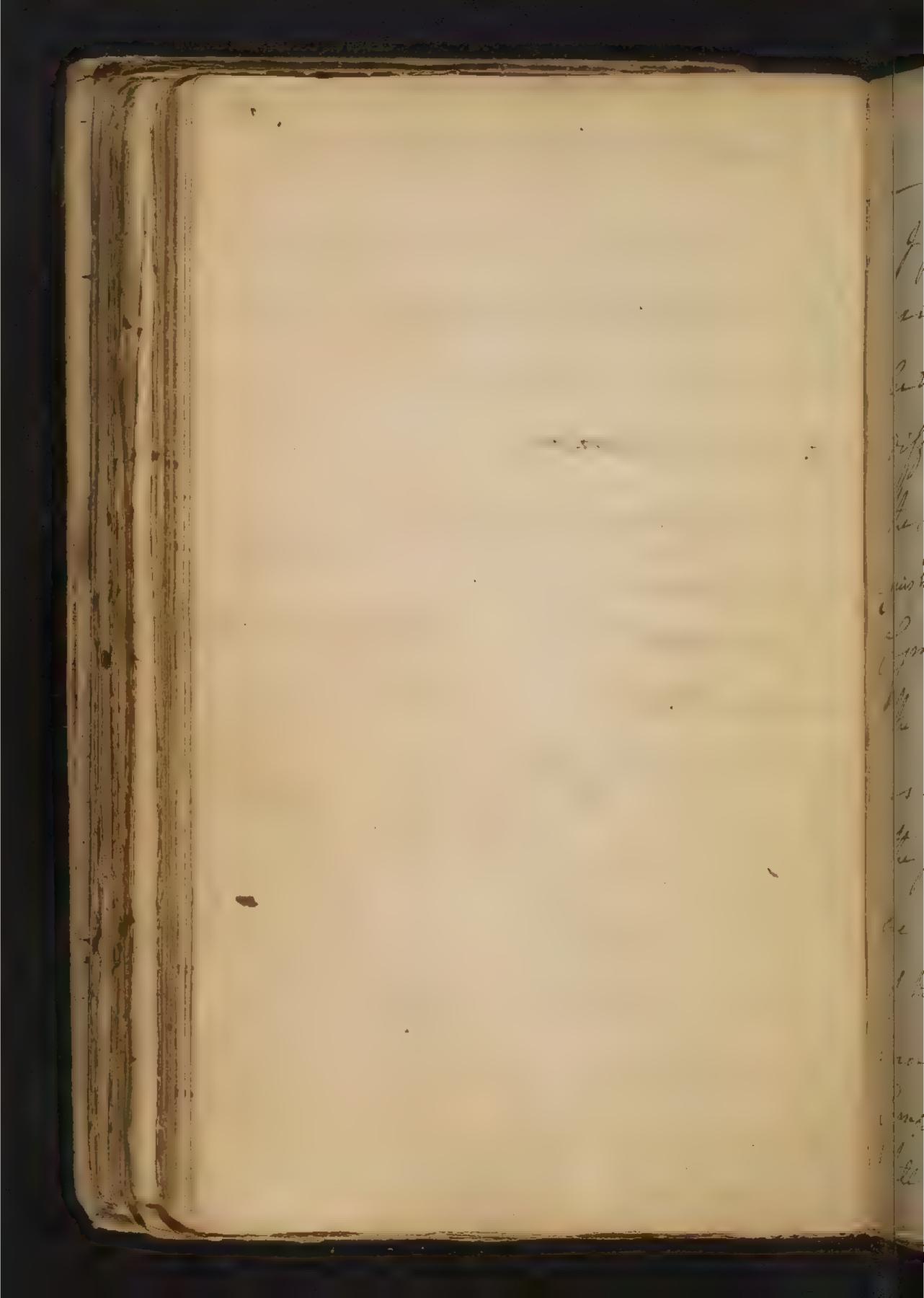
Symptomo of a Discuse what? Willefuly & bice burea, Have Promoven Jind the One often continues after Bother is numoried. see De Gambius \$94. The Rugina w: attendra Builiary Frever is by no Oneans to be considered as a Lymptoma James, buit as a supuradded Disease w Often neguines a Diffirent & frasticular The Spitomata Juntatoma tim are not mufrarily present. Thus a finson from being afflicted w afartamte may vomitule Blood. here the Gamerhage born y dange is a frymptoma from tomation arining from the fatarthe but it down not always he - uparily fall our and alamh. These fymtatomater Tympetom: atho they don't neuglaily secur

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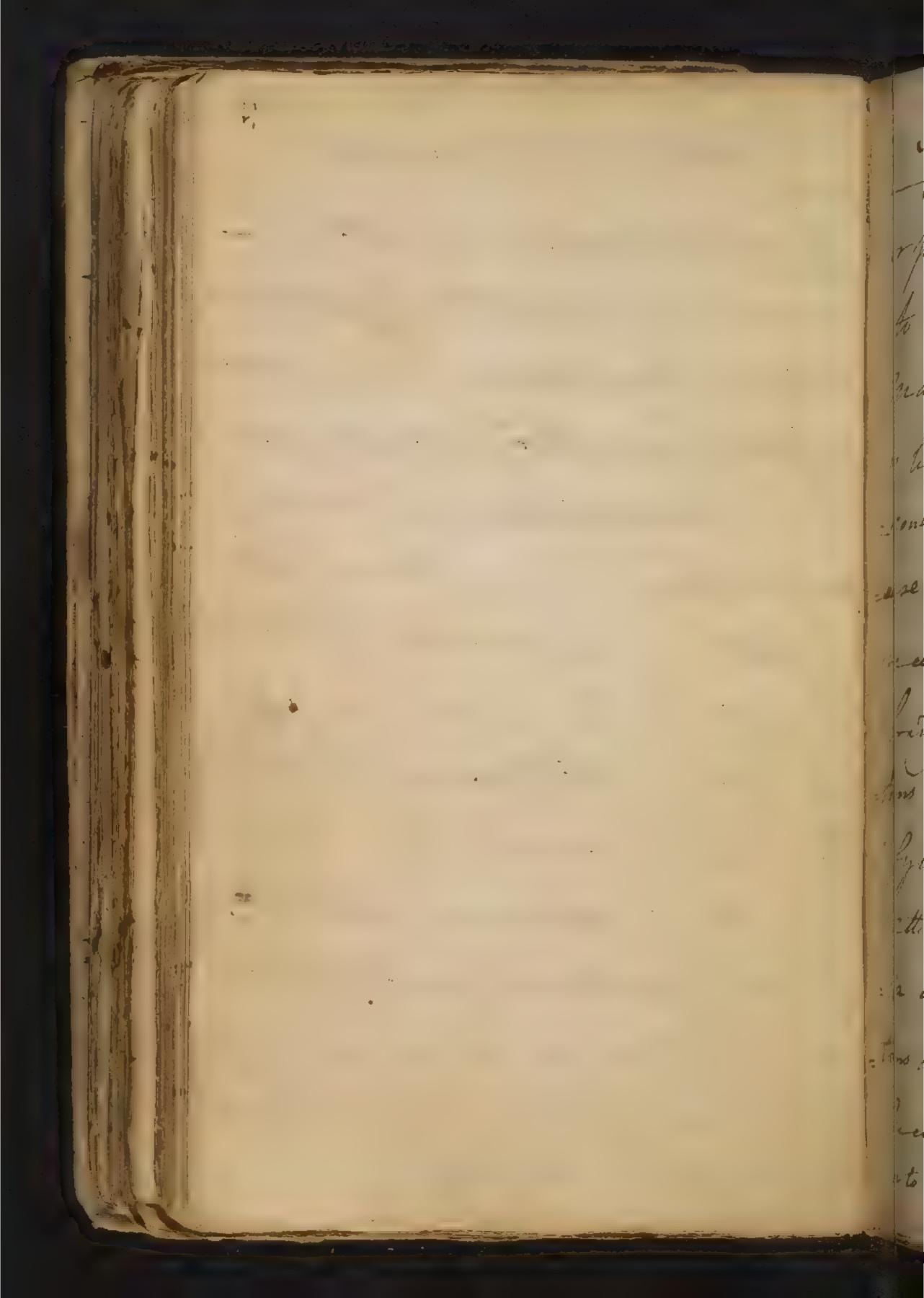
Symph toms of a Disease What? 366 are hever the life musiany parts in the History of way Disease as they defound or avise from the weximate faure. Sometimes it is difficult to Distinguish Whether then are Ty un fitomala Brosti or Typenfitomata Type tomatum w: I how till un ther the herefully of thumarating them in the History of 200 Disease they no reover tend to point But to no the aly in or bioline of adiouse. Dy autius has introduced two Other Listing trans of Francitones 165 Symptomatic Retion & papira. The is the supported to be writing symptoms iv: our growthe efforts of trature to evira herdelt when Direased. Thus y borneting in Consequence of dame thing proisonous



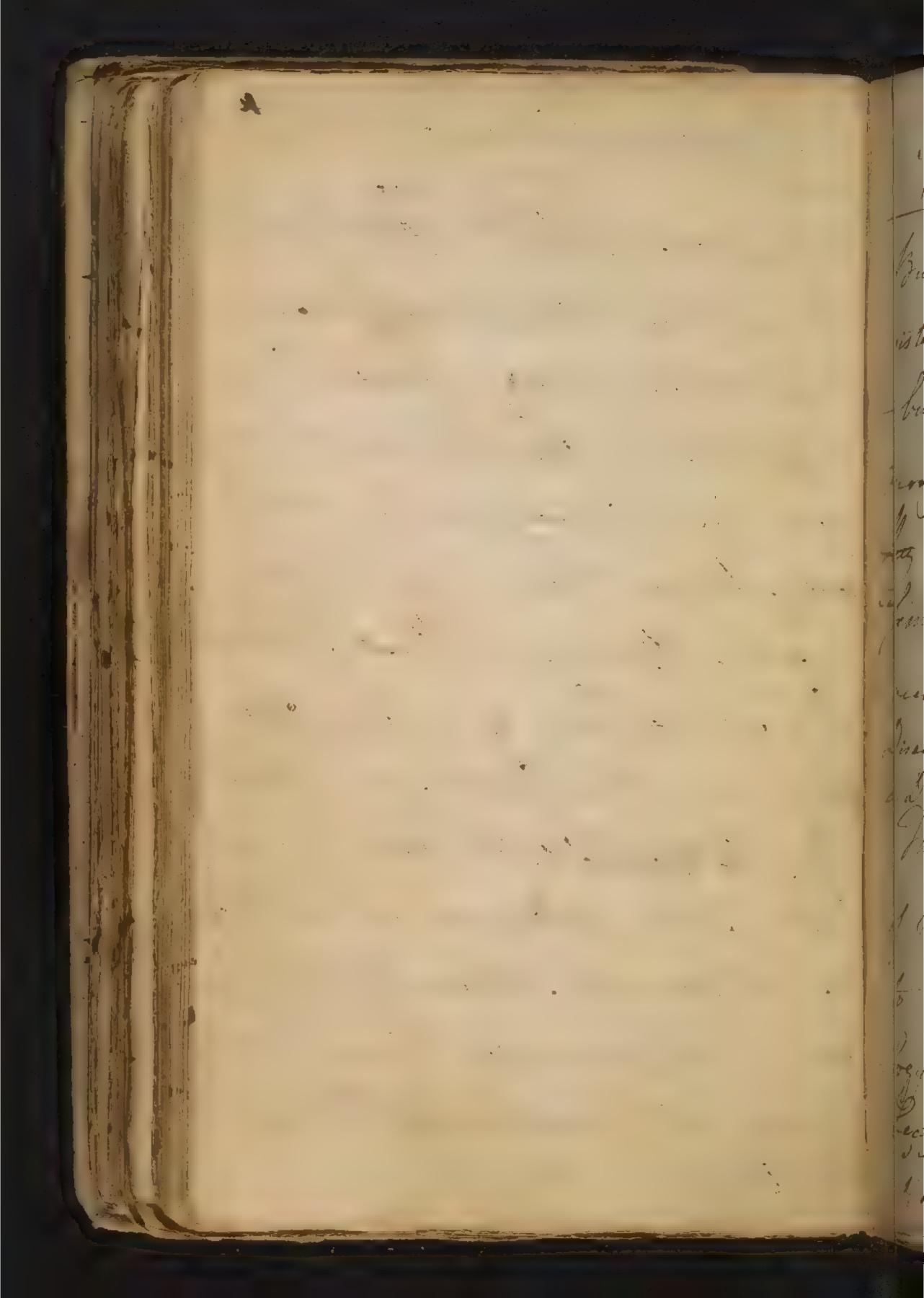
Symptoms of a Discuse what? Auber into the itornach anises from the Il forts of hature to remove w: Offends her. But here The proison ach Muchan. : niently an the topostach, & were its fritation brings the stomach in to Contraction wi courses It to the owners ties there , in a hoord thou Who adopt the notion of Jumptomatalistica Suppose that they are all the mere Blira. tions of the foul itsellexented in Corsen tore: nove any thing that Offends her. I grant The Animal Body has a power to Histe the Jundency of the James of a Disease that we have no bleason to dechtose their Depunds afrom the betton of a rational in, telligent Bring, if it does at it must be in In whamisally in Conjunction w: 4 hody



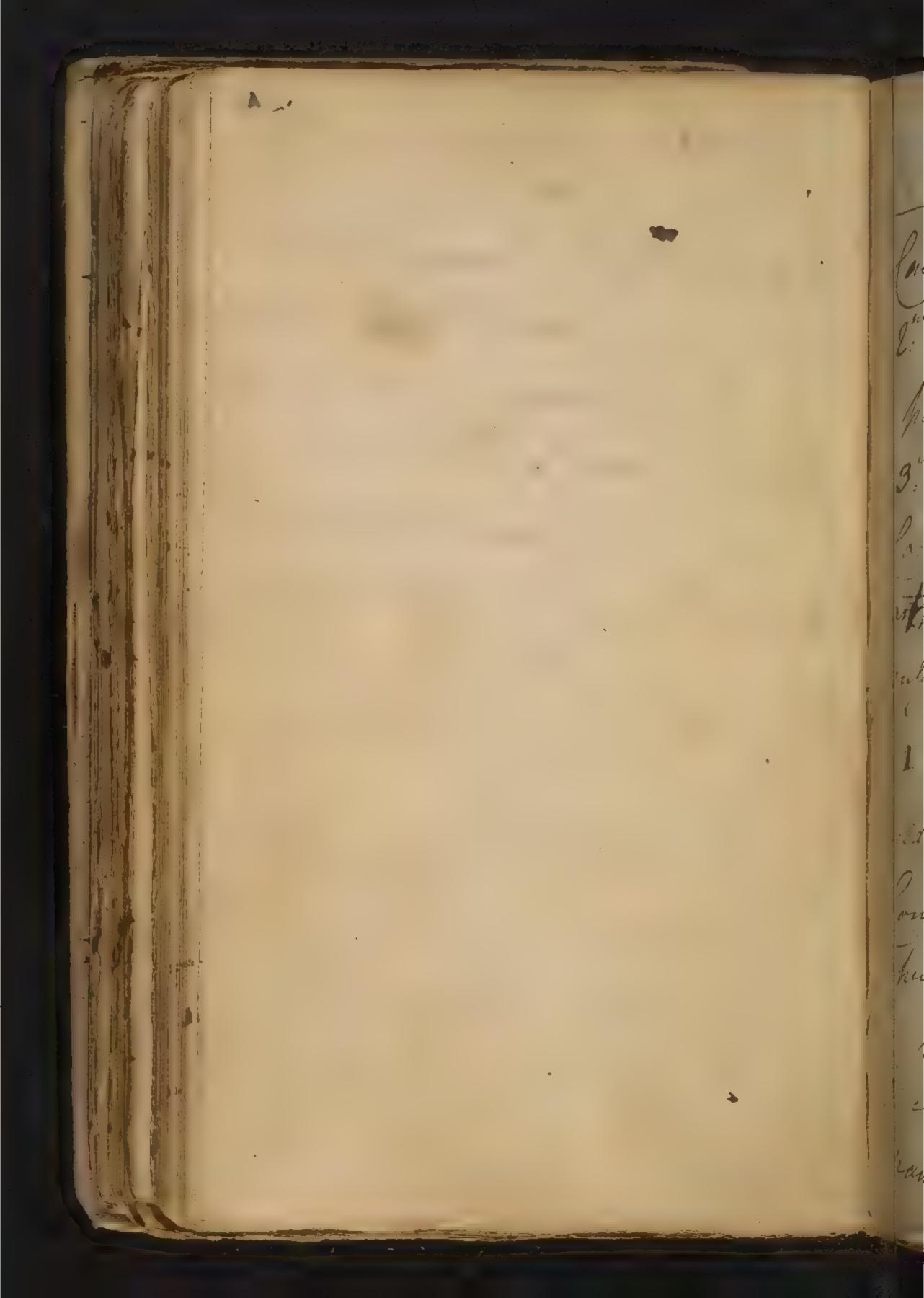
Tympstoons of Disease What? I grant to he wise buch on motoms do as exist as may be called funtitionata autiva or auxillaria w. are epentially Different from the Fymptomataposica. The Lymptomata active are but disting guis hidin a dever. during the cold hitty. Tumptomare merely rafoire but diering The hot Litt the fremthoms are buties as trature is their making forts to remove The flasm is: causes the hover, but there are certain, rumptoms evi be cannostite on of the Capes to refer them, but no me : mors the there are likewise many Other Trustomo in all Diseases www.commot there wi though and the then they are be twee



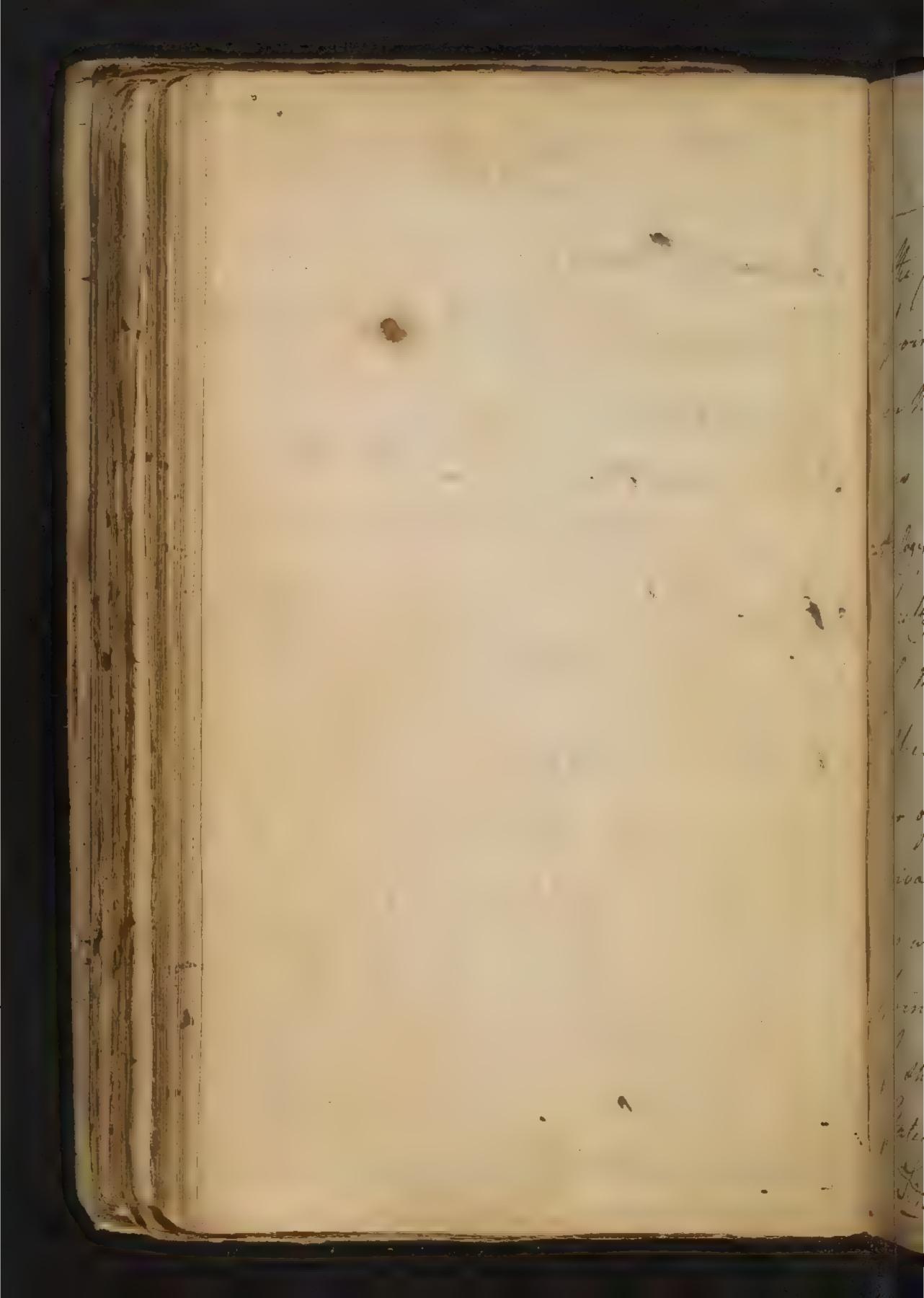
Jumptoms of Tiseases what ? 309 or passive. But there Other fymptoms to be taken to his besides theres. a Man who is already of flicted wardinease is liable to the Afficieted to any Athenders. : sional laure wi may cause a how Dis: = ease . Thus a lower man in a hour many receive a Blow in his Head W: Mun bring on a frain of an unclous frymp: toms, how these fymptoms ire called TyrnArtomatoFortruita, Heth? he elouly attended to, as they are enter Moren-:tia or Ladentia. Weon this are from . toms an distinguishounts Epential and Creidental or beording to D' Gaubius in to heceparia "I how heceparia".



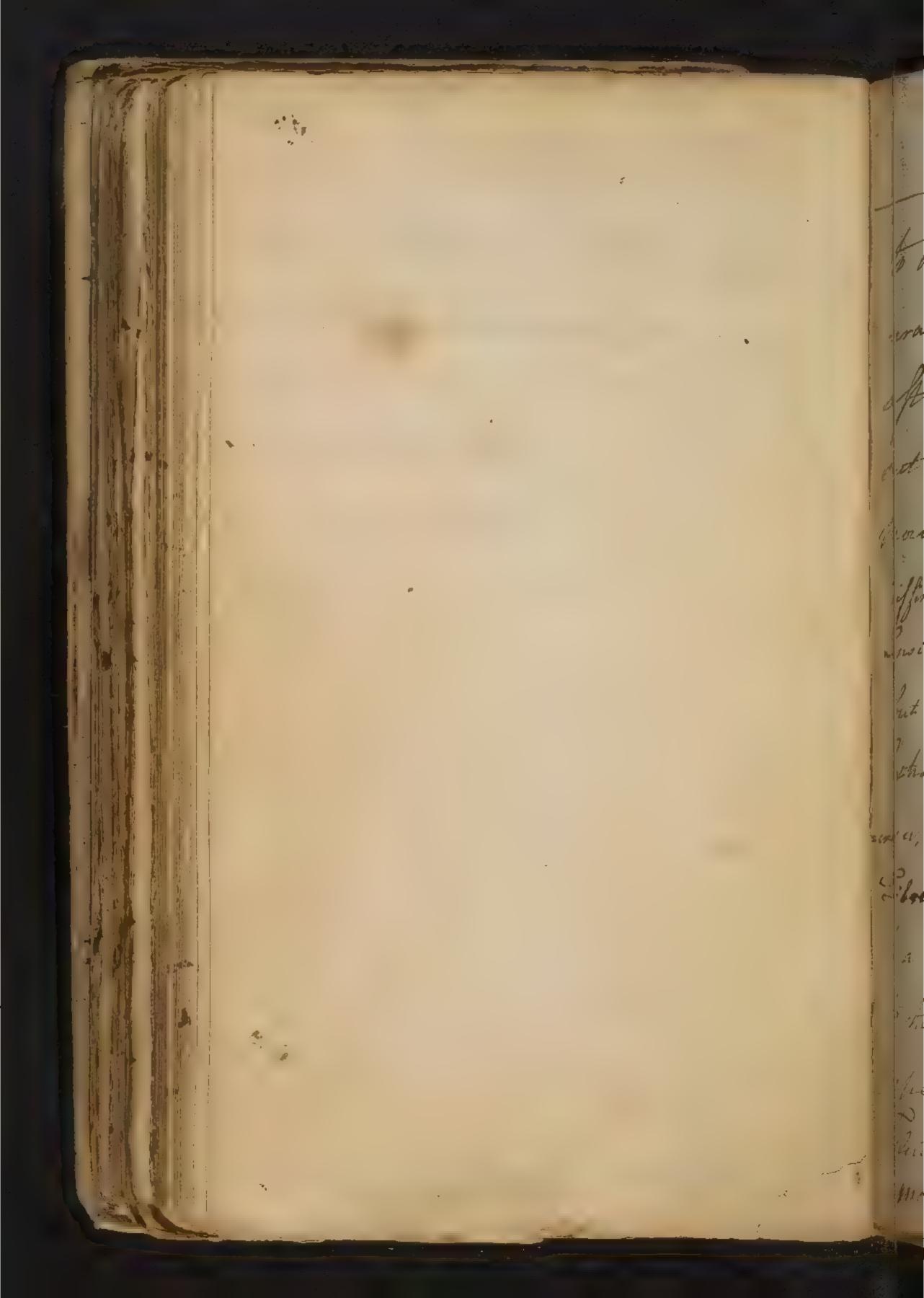
Tymphtoms of Diseases What? But Further a Disease we Said con. sisted in a consemme of frymptoms. - but these fromtoms war un andingly Juring the Pourse of a Dise are, home they Hour have hum Regain Divided in to Journaltunea and perpetua" The first occurs Mondy in the Bug inning of a Direase. The fast more probably charee time This finishes our Toplanation of the Jeoms of lathology . we thall now mound to the Division of the postitutions of ashor logy. We shall thursfore in our present Lectures begin 1 By considering the proximate



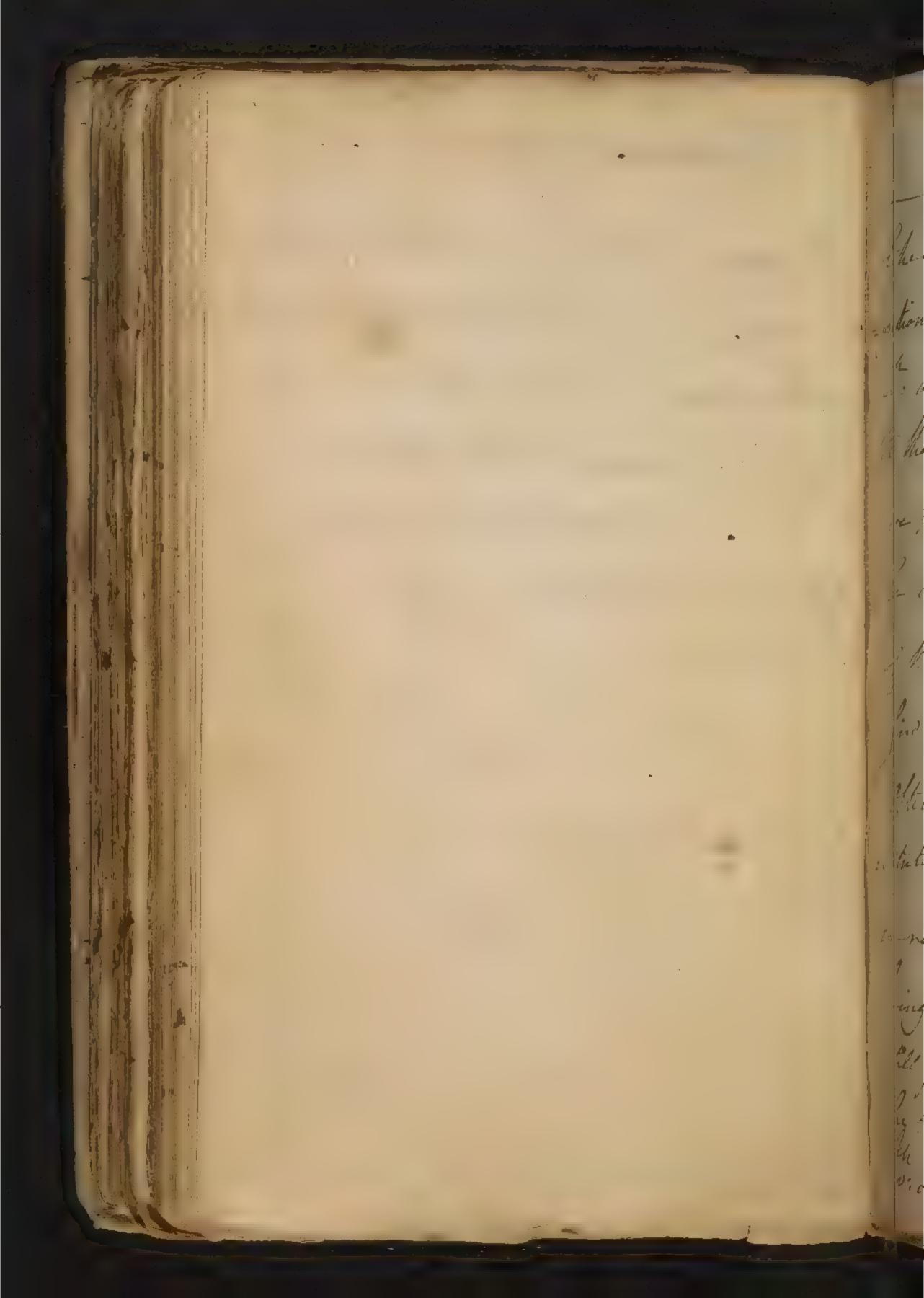
Plan of Pathology. Course of Diseases. 2: we shall treat of the fymptoms of y: n proximate aures &, 3: we shall consider the Remote former or the portestate hours as will asthore which are our rional andout ouly in laser of breduponitions. 1. The browninate aures of Discuses are deldom dimple. Atten comsist of a Complication of Pauses w: affect and Thuate on different parts of the Forty But we shall notion the landing willeavour to consider there in as simple an-Manner as possible as affecting either



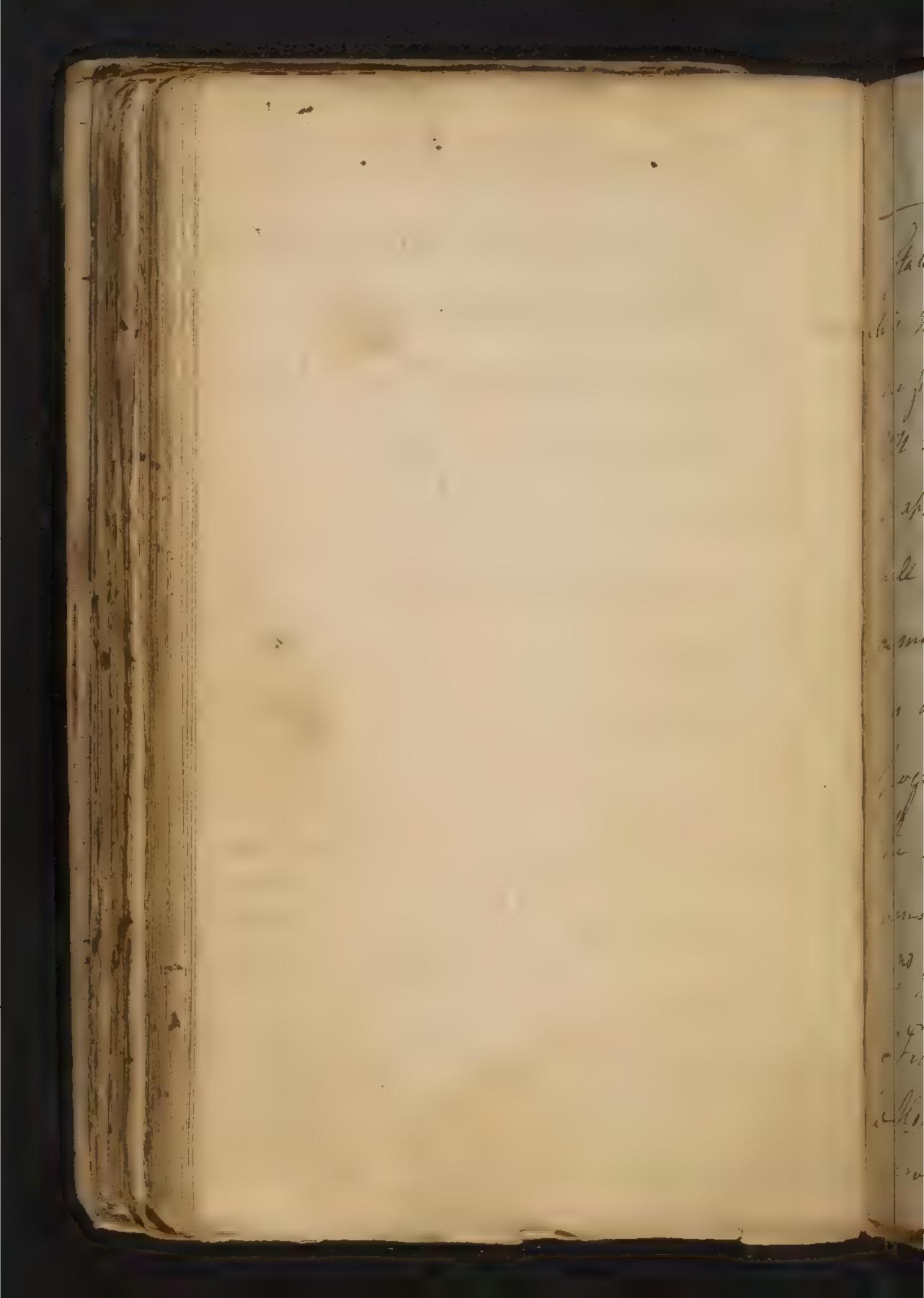
Man of Jamosogy The falids or delists. we that begin by pointing Out the proximate access of Discares in the folids. There are to be considered in dingele, or as folida biva, Mula: - to ogy of the Scingele folios delivered 14 Jule when freating of the Physiology I them. I shall therefore proceed to Much of the Diseases of the polida briva or of the Moving Libres. By the folida Priva & mean all the Brighms of Linse no well as Mostion, as there are of the Moreneihalor une tion of the her wourd in less. I shall begin by woursidering the Months Stater of Learnibility. I Tessibility in always relative



Diseases of the Johida briva. to her fey Funherament or Groryn. : crasy : we cannot metind to establish is aftandand of it. we can only point out wish unesse or Deminitions of it are provid a ive shall there fore consider the different firemotanes which influence the Tensibility of our nervous Fibres in general, Int more of scially those of the link out Astronities. Tensibility we know defer zends upon a certain fordition of y hervous Fibres w. we before presumed was owing to a Subtile Plantin Fried always afficing to the heroous-feresibility will thea defrend i whom the mobility of this moveable it becomes. The Third will



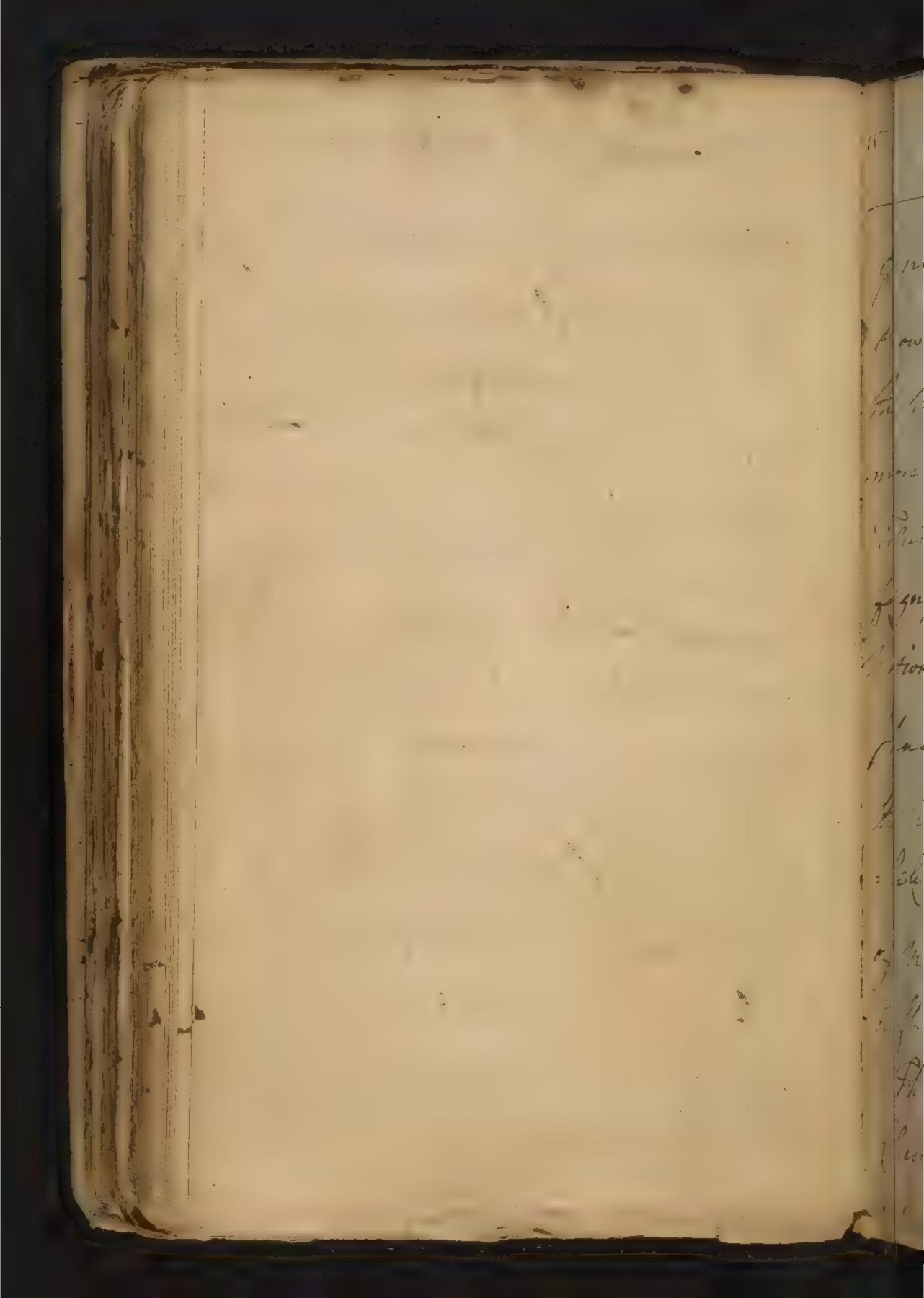
Diseases of the polida triva. like wice depend upon the Mature or aggre - gation of the dolid pubetance of the herves, w: we know are widely diffirent acording : to the tratune of the Briginal Haminu. we presume them trust findibility will be considerably influenced by the tate of the Briginal Staining. There we find a premier rind of femility Alten runs this after in certain forme ditutions. This applicans more probable when we necer to w: we before Lind of y long so being the argans of hutilion. we presume still fur ther that Jansibility is influenced by the Briginal Stamina from y hanges in: Leavidility undergoes in difficent



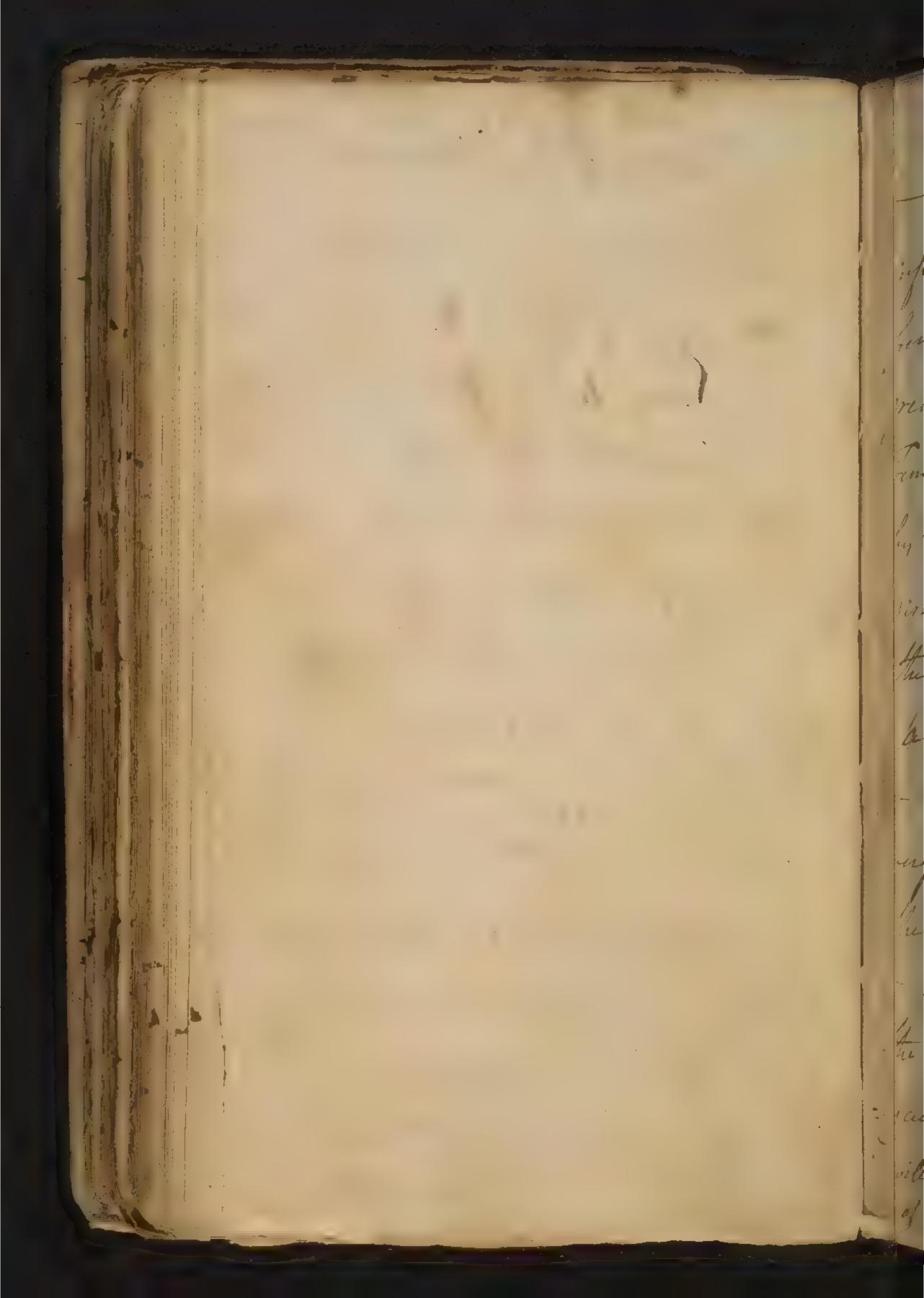
Diseases of the Tollida brown. Thates of Life. Infants we der have lef insili. · lity that Children further advanced in Life. the find underd that findibility is emercased till the Fory arrives at its hime, from w. it appears that the horsons whotance as well as the limple julids are acquiring a more firm Fightire this time. The Brain is always he svien in proportion to the progreps of Tile, from wi we infor that The hervous Filores , 11c. Cohemise requiring & Dursity is well as the Brain. 2. Internal Provies influence tre state of trusibility such as Heat Hold. a Heart jimt excited the Mobility of the Prevous Fluid H very considerably influences

1 a " The Genorance of the africand tothe way hations who have under the Line many be Atti buted to ather ruidental Canses orather than to the Real of their Rimates 4 f. Anievnr of their Landthe

Diseases of the Solida biva. y different states of Emsibility in gherver. - in general we find it enereased by Heat: hence Coustitutions are mont. Censible in warm Ulinatio, & and. Feople in hotlountries are always cridowd w more crquisite forsibility is Regard to every thing hat thought of the live in world Constitutions un every Plimate are more denoible in juminen than winter. There is a certain Degree of Meat w: is most favourable to funibility in onneh that every Degree of Reat which paper begand it rather deminishes this sibility? It is equally unfavourable to our frunctions with Cold. It more over takes off from the



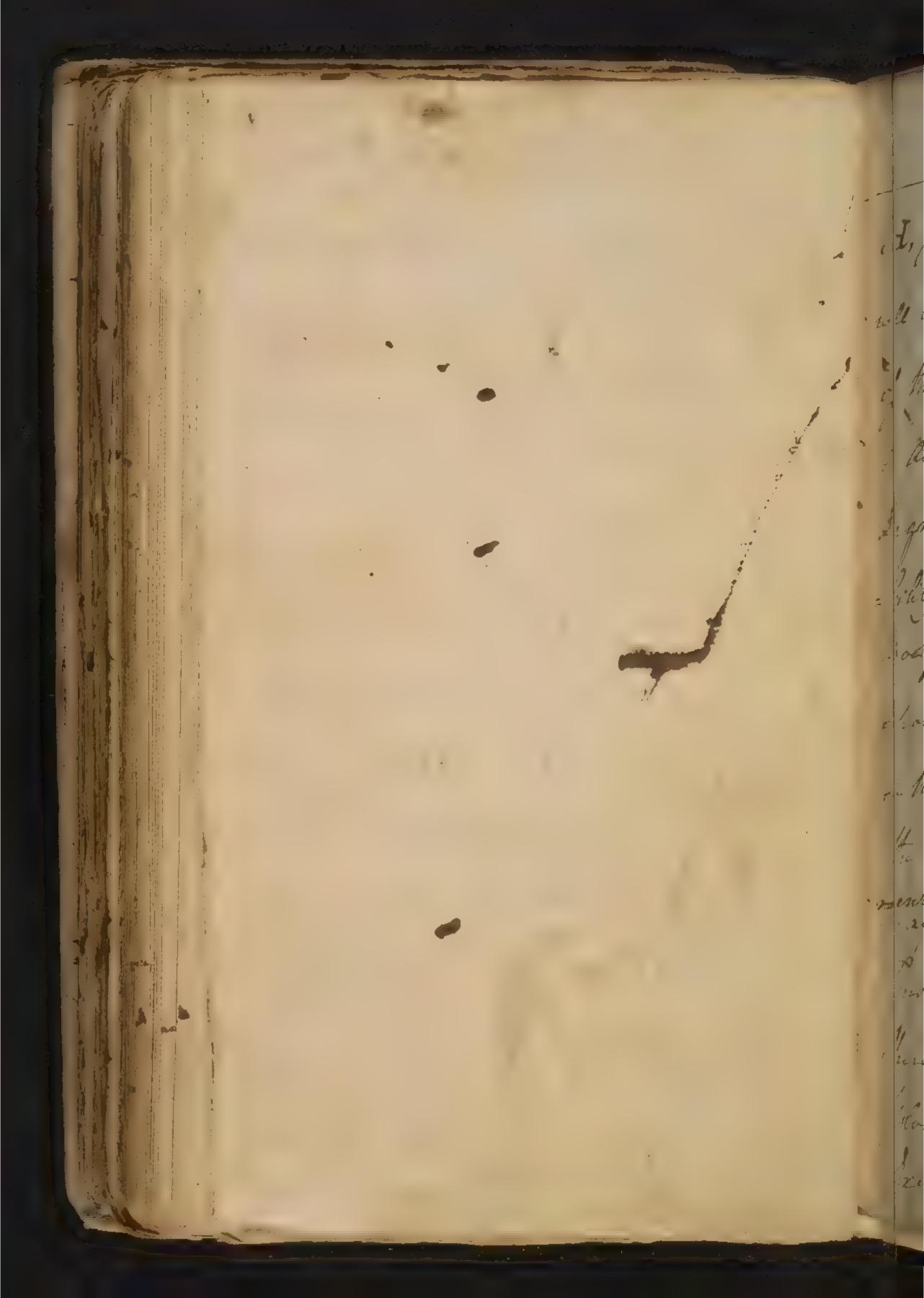
Diseases of the folida briva. 317 Generating power of Reat which we shall thow weafter is much commetted with the Bernes. b, do Thimulants give more Carticity or mobility to hereous Perio? Our materia moica writer w? friger persuade in that they do from their Portions of Cephalics Ke. for my fruit Franco of ho frienlants that do excite the Junions Filinis do as to unerease Junio: : bility . Mut we know Another Cap I medicines calles jeda tives that do in theene furtibility very considerably. - Then Jedative Minicines arceithin. Thereical or bus havicalof wimore herelefter. c, funditatety will be consideratily



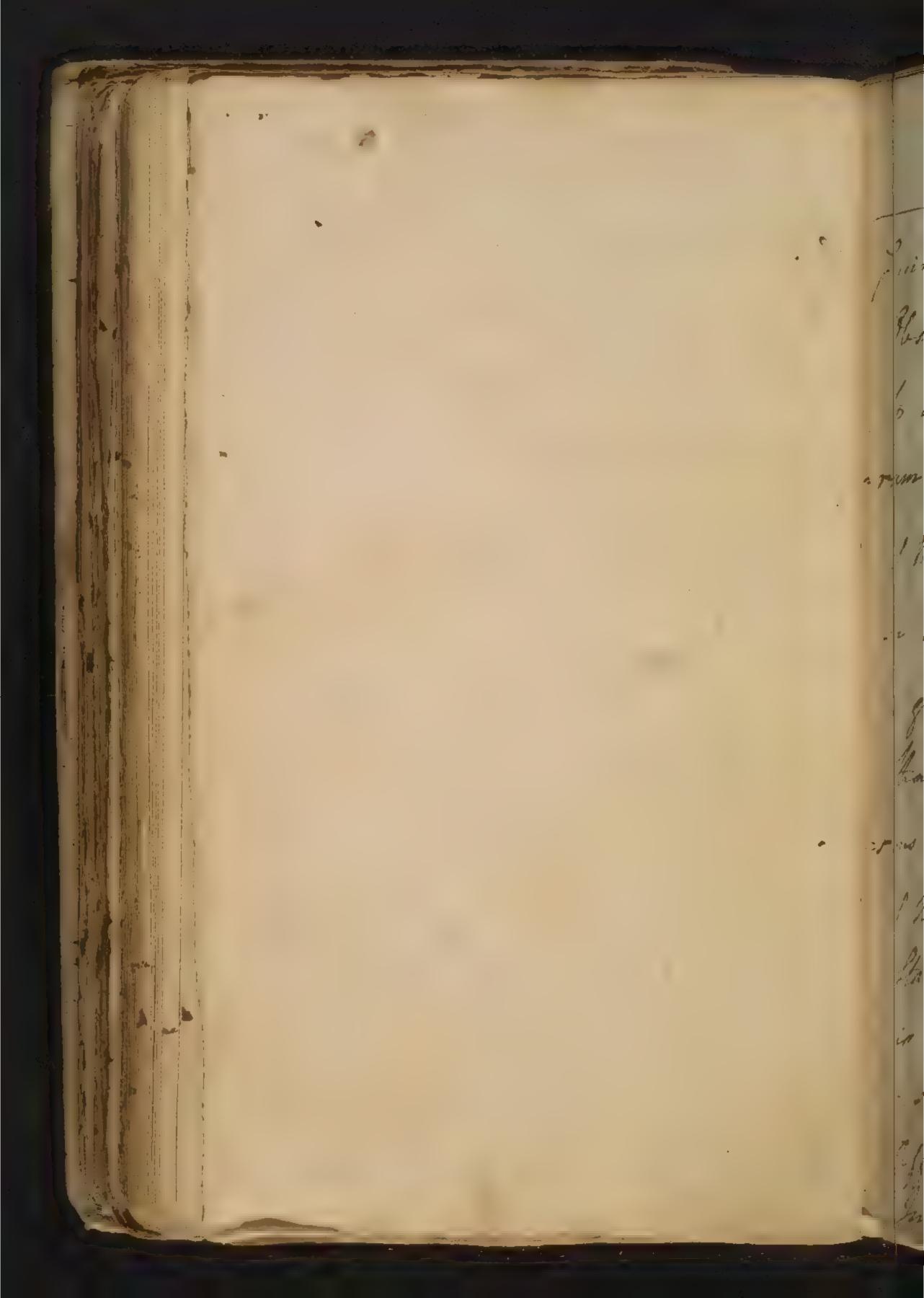
Diseases of the Solida broa influenced by the plate of Jension in the prestient them these hature has taken great lains to promotel hup left this junsion in the retruities of the humans by the neiform mannon in w: The has distributed the Blood befulo along wi the heraes even in the Metina itself is be layer of Blood: has been Direvend. - They are tihewise to be demonstrated very fillowinghelly in the secons panying to The minute papelle of the forgue. - for may presume from this that all The hornes in like Anamon are equal. : Ly accompanied to: Mood befold. of these lood befrels never Another Reason

from a formfrafison of antisting as well as a herve so much dow The laterial bytood influence Tension & funsibility."

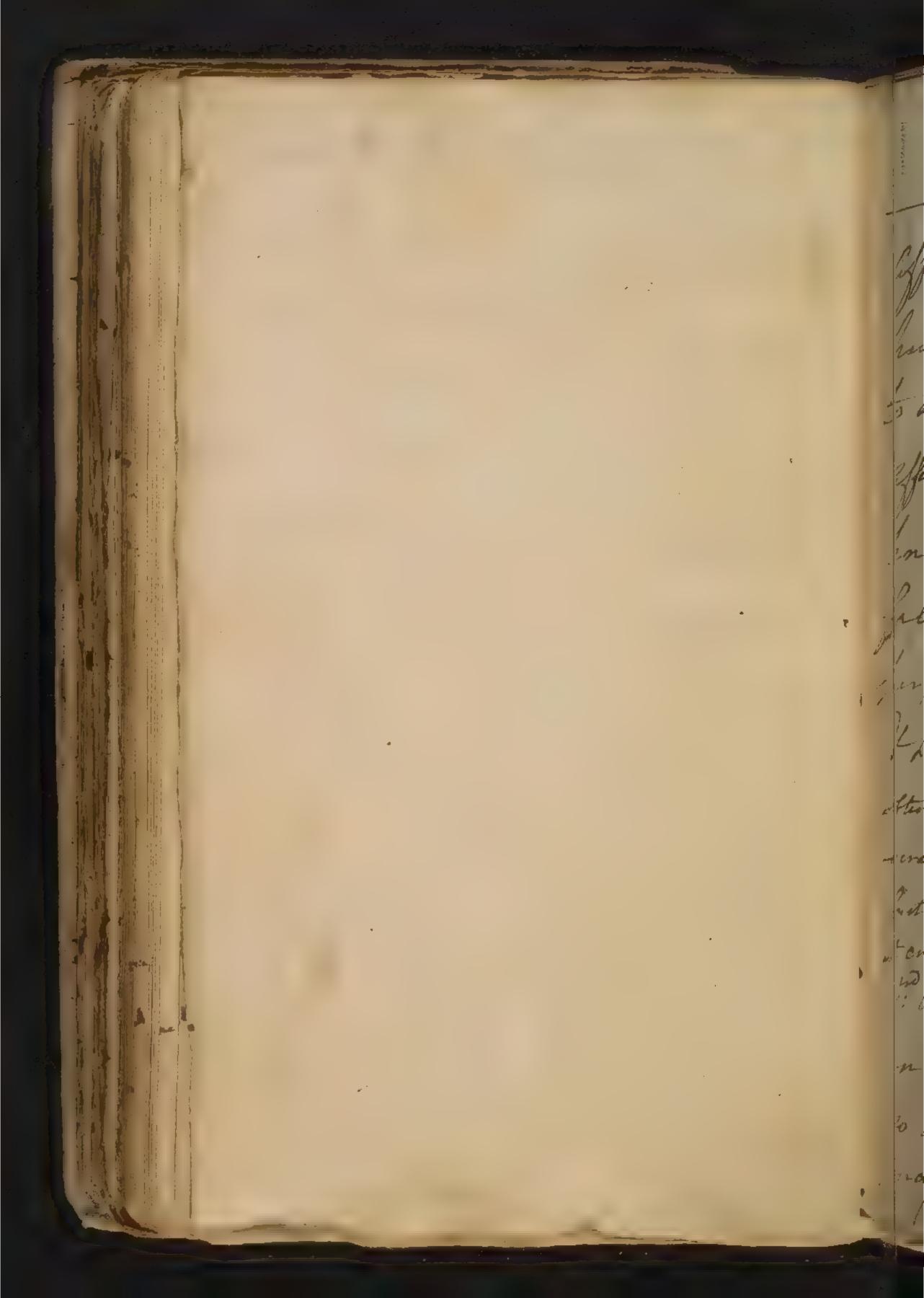
Diseases of the folida broa offen itself lothy justility is emmaring the the body arrives at its aumerapor, the Recount of the Diponition to the Thora " of to the impeters of the bolood in the lesteries during Grow the. But we have a still more convining en wood of Ferring influincing fursibility from the extreme? Jensibilitya hich diffirent parts of the Tody acquire when inflamed w: is to lely owing to an mereaded fulley it impeters ! of the Bolood into the Atood Inspels. even Thou parts w: have lost their finishity. by an nearetion of cellular jubstance or from Mondrid Courses have it again has given us many hambles of this.



Diseases of the tolida truca, 320 ed, junsibility of the homeon it tremities will defend whom the state of the Chiain of the perves a en tain fred moto person: is Absolutely muchary to prositionty. a Degnee of fourth repion involatily takes officionis a libity. His is evident wind Absoious to every Body. But then fourthelity may class afran the difficent state of ceitament in the funtorisons, which greatly affects the Extremities of the house. This tricke ment. Torsion in Consequences the Influx of Misord There . our increased profeters of the Howd some de then give our additional Decitement to the Junsorium. It their encueres

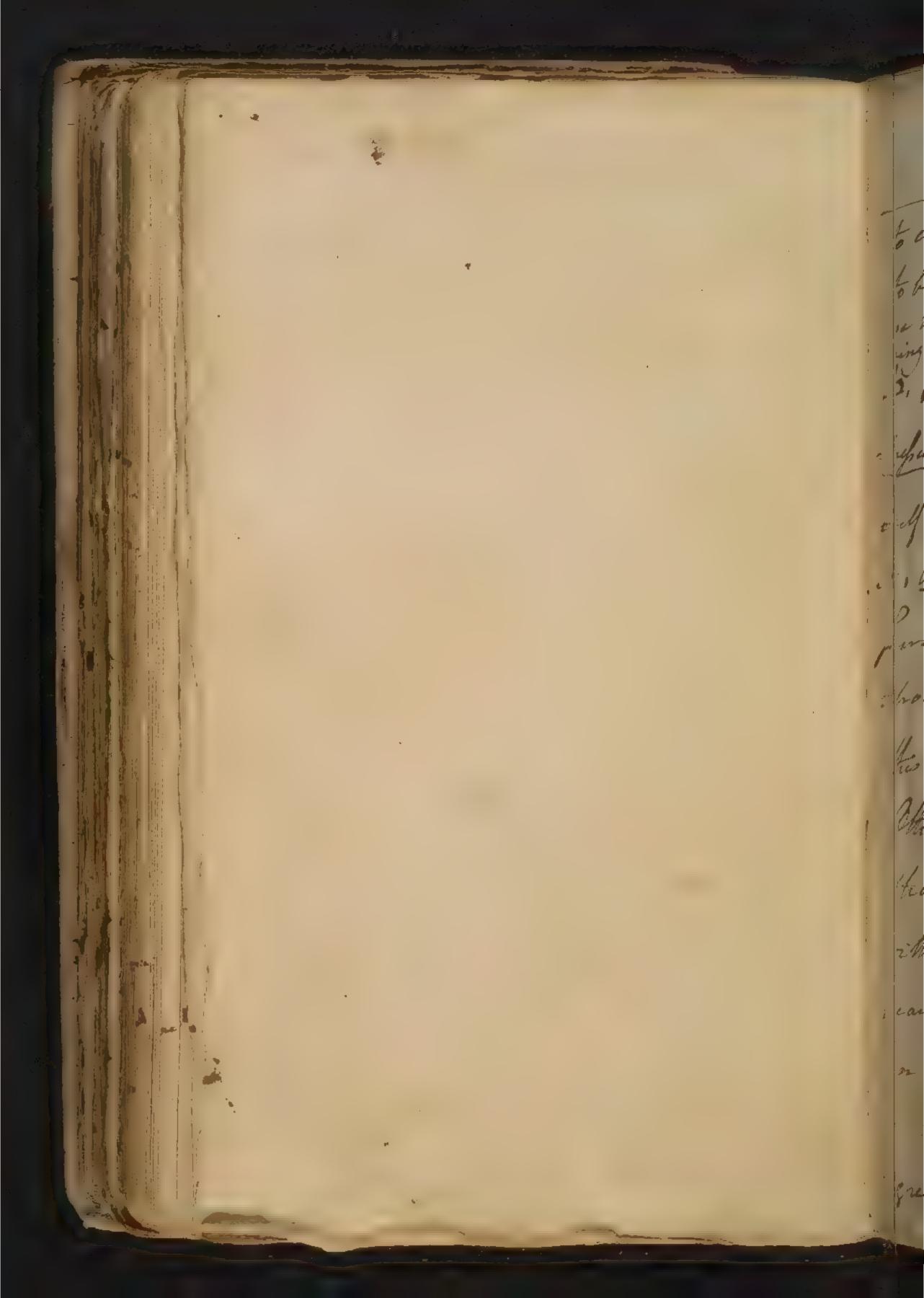


Diseases of the policia briva funisibility. The great pusibility we. He serve in Persons a flicted we seems seems to arise from the excitement of y femos: reum being communicated to every hart of the Body. Ave aften Bloome Pakinto in Phorensies & Aramios Hat they have a greater finside lity in dome frants Than in there to peculiar for prefe sions this Leems to arise from an land of the Brains being in a more excited The than the Other in these Cases it is difficult today whither the increase - 200 freezibility defreuds on our Eller tion of the Organ on w. The frankrepions are made, or whom an



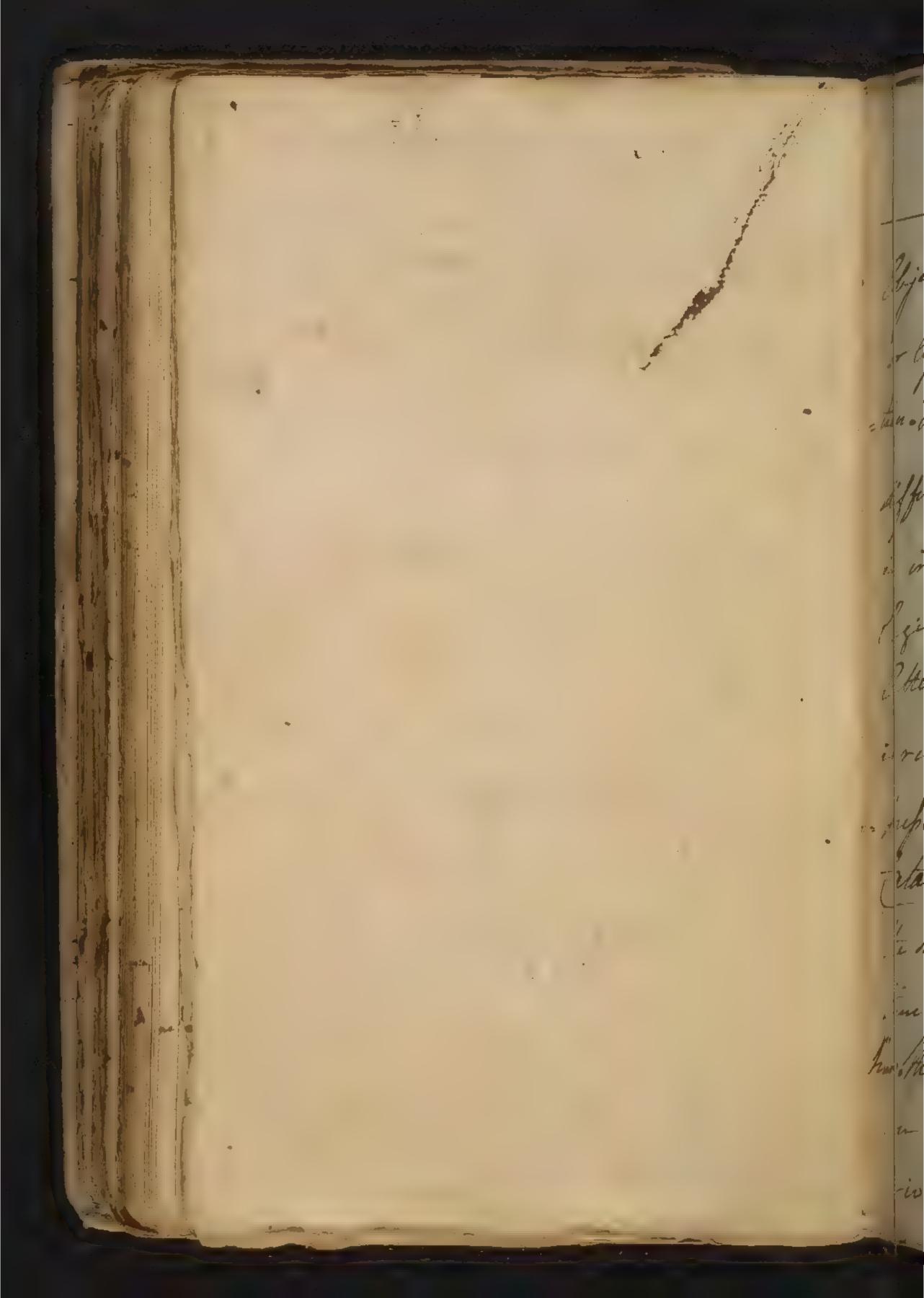
Diseases of the olida biva liffertion of the Junsorium itself. I can nue addun a curious crout which dune to show that it depends on a morbid affection of the Organ itself. Jonce know a Lady who labourd under a Jalse magination & jan out for was purpetually Surrounded in Hologobblins Habwill insomuch that the crisidous Often in the utmost Riety. many attempts were in vain made to cure her, till at last the Physician Who attended hermouries tout the Physician Who attended her Eyes. it cuties by blind: folding But of her Eyes.

2.2 as an Incep of femoibility depends en a too great Tension of the Fornin so a want of Tension or in the Forain many bring on a want of Jennibilities

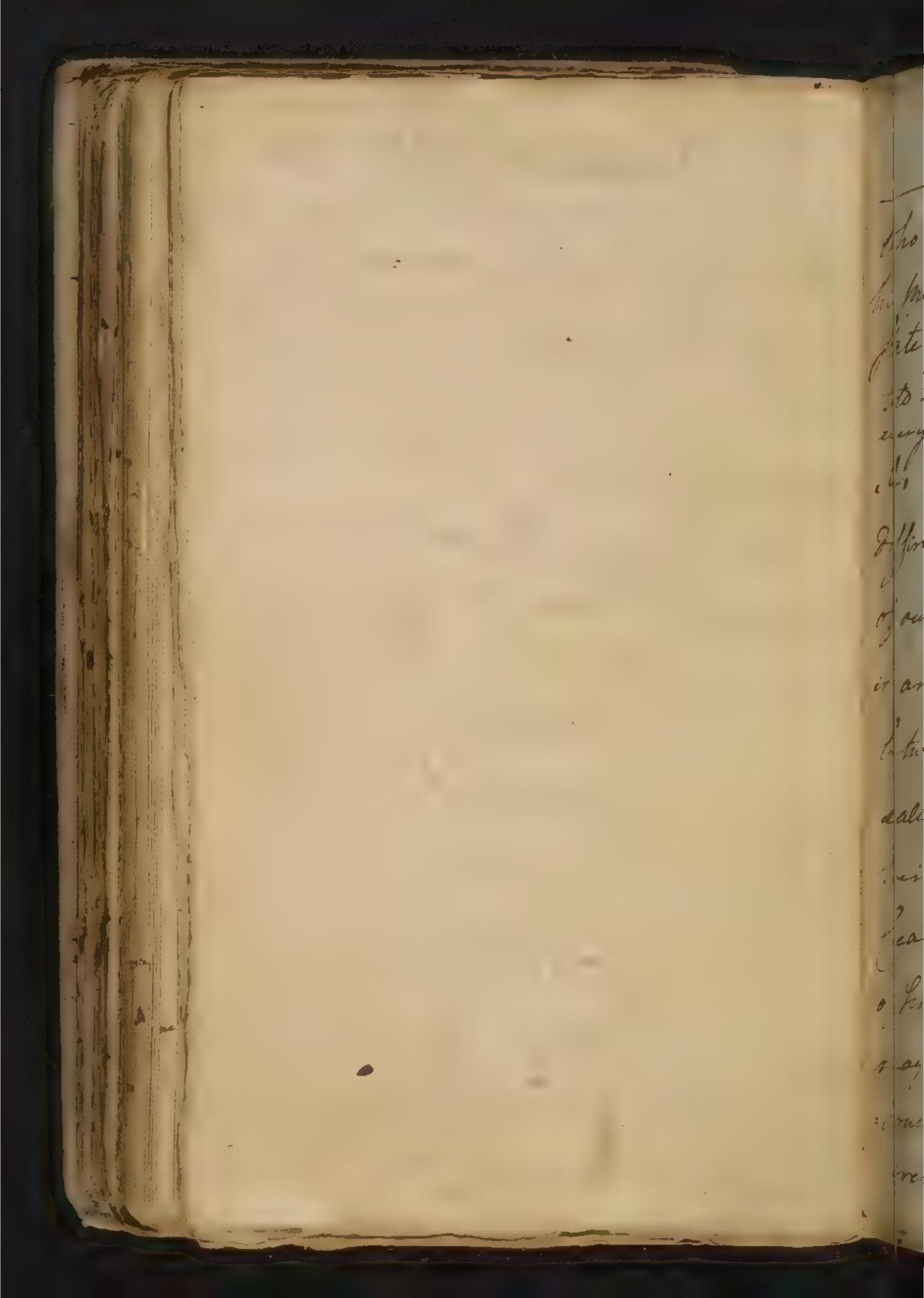


Diseases of the solida triva to external Impropiono. This appear to be the ase in faiots, altho Jeannot say being in a colfapsed flabbid state. In Jone:

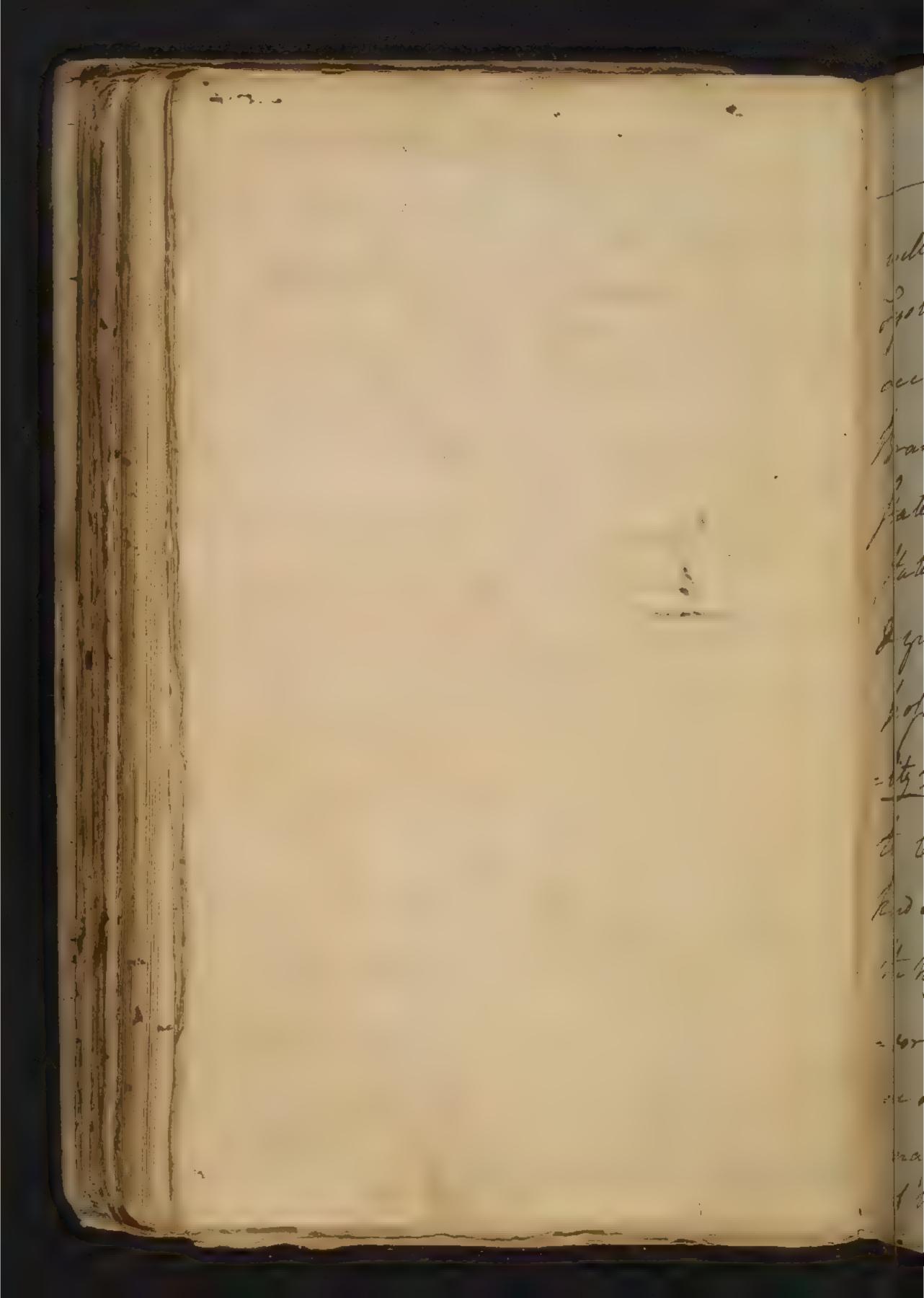
Bins it a colfapsed flabbid state. by Jone: Inspirer more especially in the fensorium c, attention very considerably influences fersibility. The Mind can be employed afron but ane Hjest at Ame & when this is the Pase it is insensible to all Other Impropions Muly they are truck, Honger than the One he is ounpied with. Thinking long on Ane Julijeet exercis the Mind, hence There is a Camifion in our littertion formfranticulor Bljuti. - the attention of the triend will be greatly construenced by the hovely of the



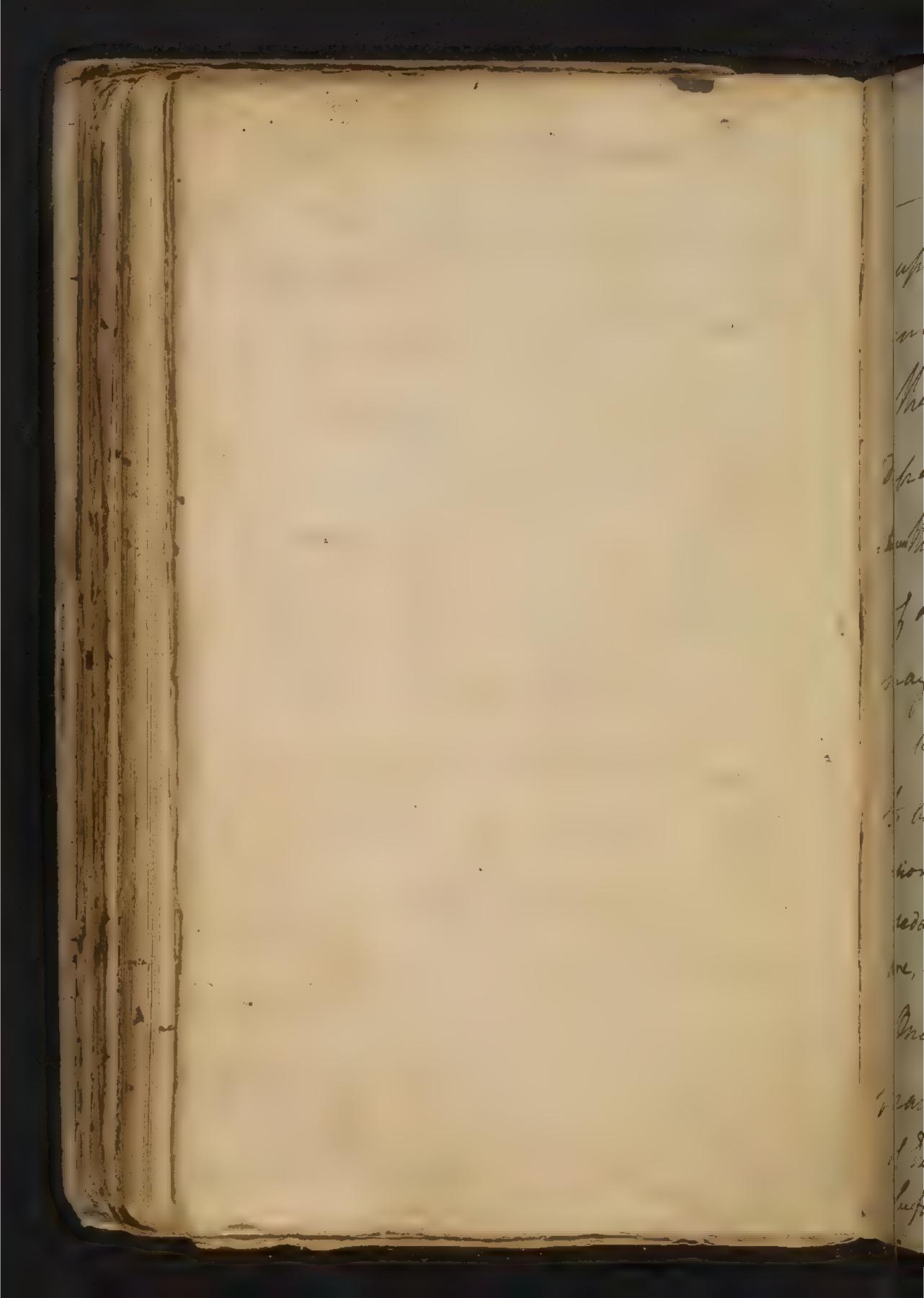
Diseases of the folida triva. Object by its being attended w: more or life bolistion or of interesting Rela: tion from this you der thiremay be diffirmet Degrees of attention. When it is in a very high Degnee it induces a Cogisity in the Brain insomuch that The Attention continues even After the Blight is removed in excited the Briginal Im: · prepion. This appears to be the Case in Catalefuly in w: The Patient continues in the same rigid forture for a considerable time im which the Disease first beized. him. These atalipsies are generally bro't our by very fixt attention. Fulfrice gives us a remanhable lase of a Man



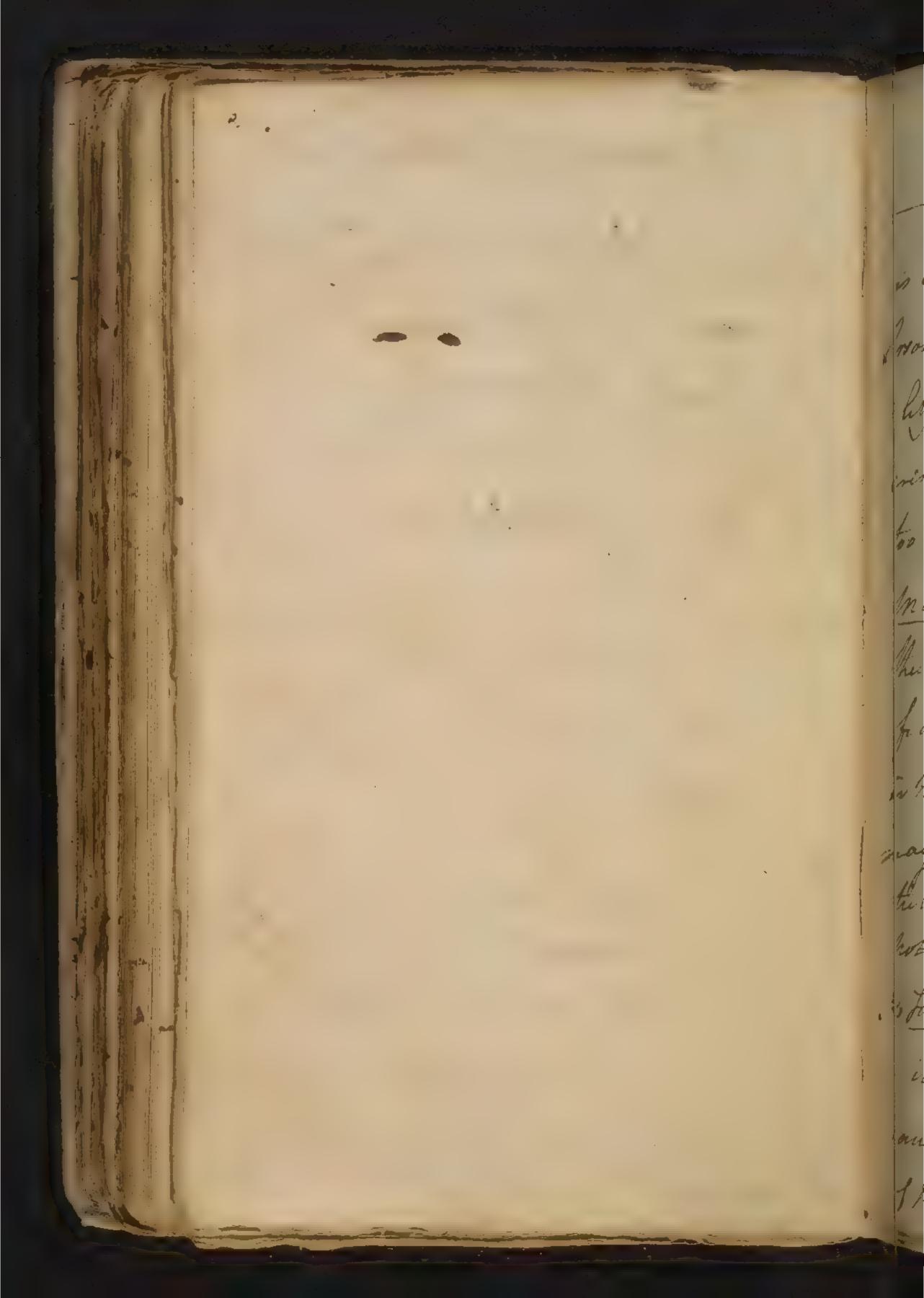
Diseases of the Johida brive. Who whom meeting win a Repulse from his priotreso remained in a first ataleptic State for many days, & was cured by being toto that his mistrep w: be favourable lefter wary thing cle was in sain attempted to romochim. d. Sensibility may depend whom y Vissionant Degrees of hacitement of the Other of our fames. we all him on that then is an intermediate fate of Jensonium between fleehing & heart we call a man of great trivacity bien weille" Havey stufied Fellow a Frea ture half a fleep. if then Degrees of funsibility then are so Alwions we mag readily presume that an addi: : from & Truitement in the Virain may greatty influence the tensile lity as



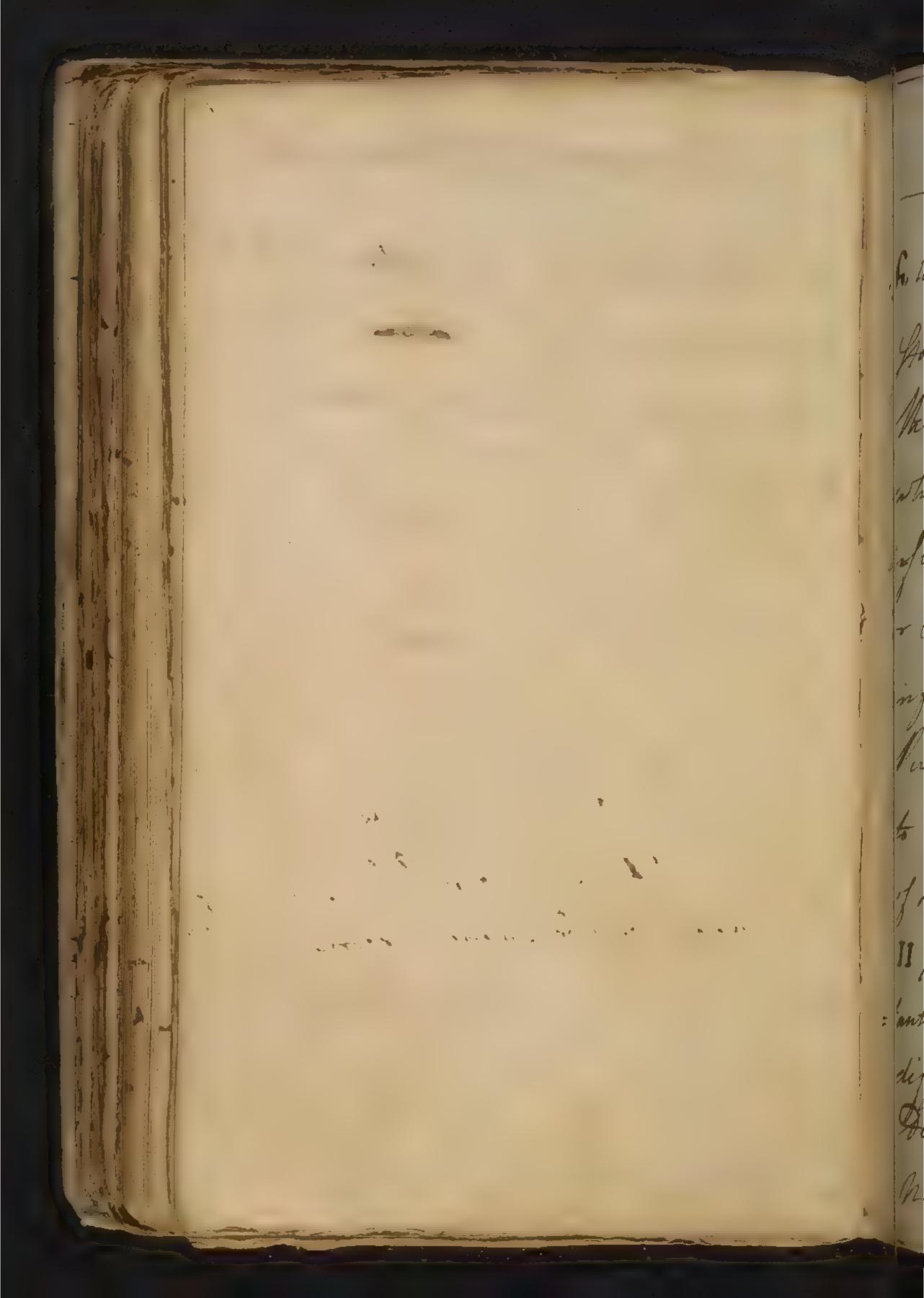
Diseases of the folida biva well as the Contractility of the whole Tystem. But here a this ficult instin accurs. We have Instances of the Brains being in a healthy excited State, & the whole fystem in a property State of Junouv in Maniaral Senous I get what is very surprising they are population of a high Degree of Insensibility - lits to all external Imprepions especially to bold - Spiates - & Midicines of all kind here is municipality commented with The highest tate of pacitionent in y fin: - sorium. This Seems to over throw w. eve have before advanced, but I think it may be reconciled with it. This state of the for sorium may them depend upon



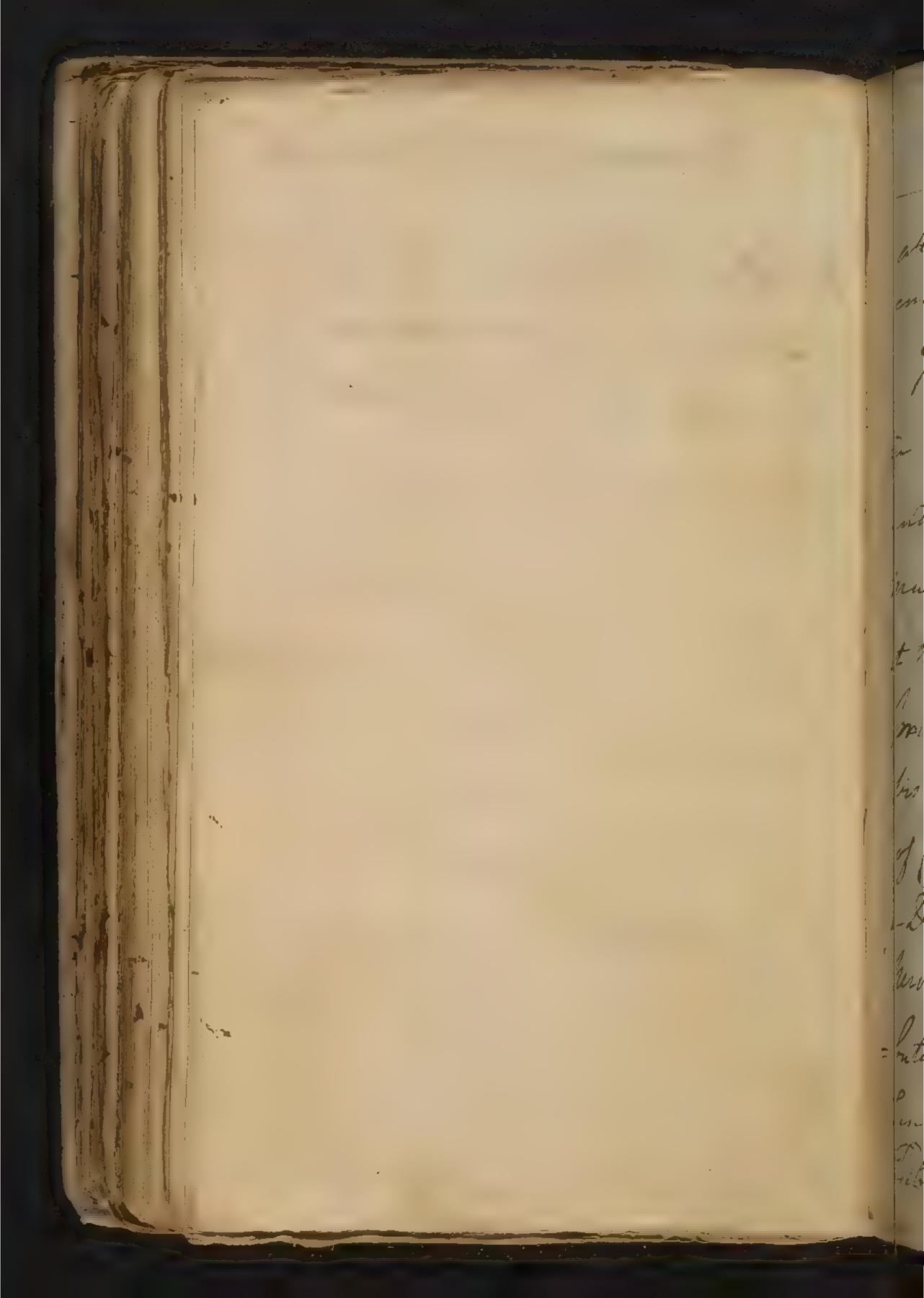
Diseases of The tolida biva whom the Density of the Other being encreaced w. Regard to its Hasticity for The healthy Degree of Jensibility dependrup on a certain proportion le: . townthe Marticity & Density of the Other of our herves. But another foliation may be fiven to this difficult Problem we Observe the meenility of manias to be chieflyw: Regard to ledative Impuf. - sions. But an metticher- I purgatives sedative? Lorne have Supposed They are. One mon folution may be offened. a Marrias may be considered in a flate of Izietementor in thet Hate of Rigidity we bufore Spoke of in the Catalepsies, this



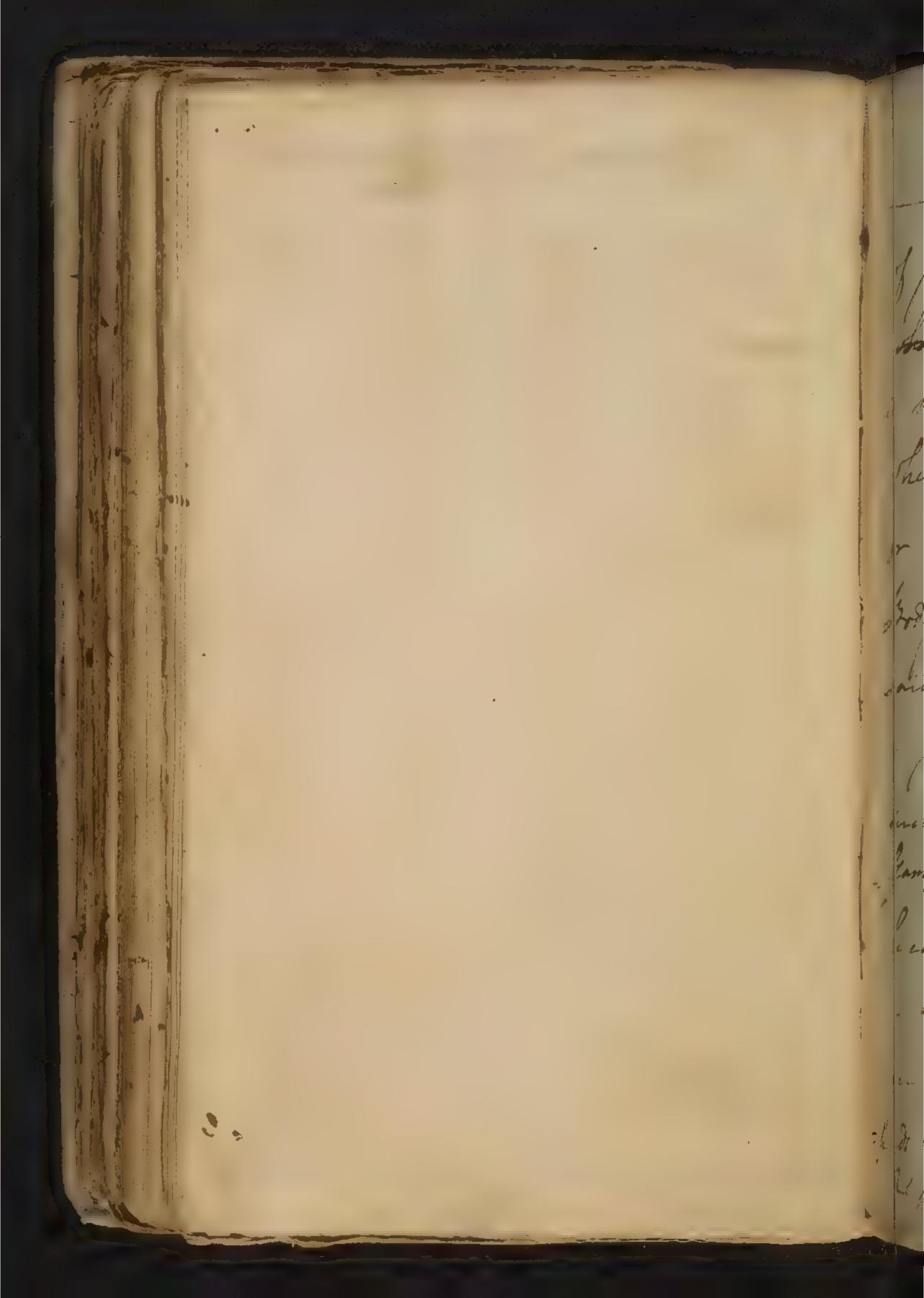
Diseases of The Johnda bioas is evidently the are in melanchollic Versons & hence Their Other Insensitis = lity to Pold & Other In- prepions may arise from their Rottentronspering puriously too long fixed to the Bliget. in the In an iaus the lase is indeed difficult for Their attention is perpetually running from Phjest to Phjest get indeed in the Incitement of their houses may be in the rigid flate of fatalep: - the Patients, altho Thier Jensorium is Not in that State e, finsibility is greath influenced by Habit. - it is then always relative & never eau defrem akon the Absolute Fronce of purpuspions.



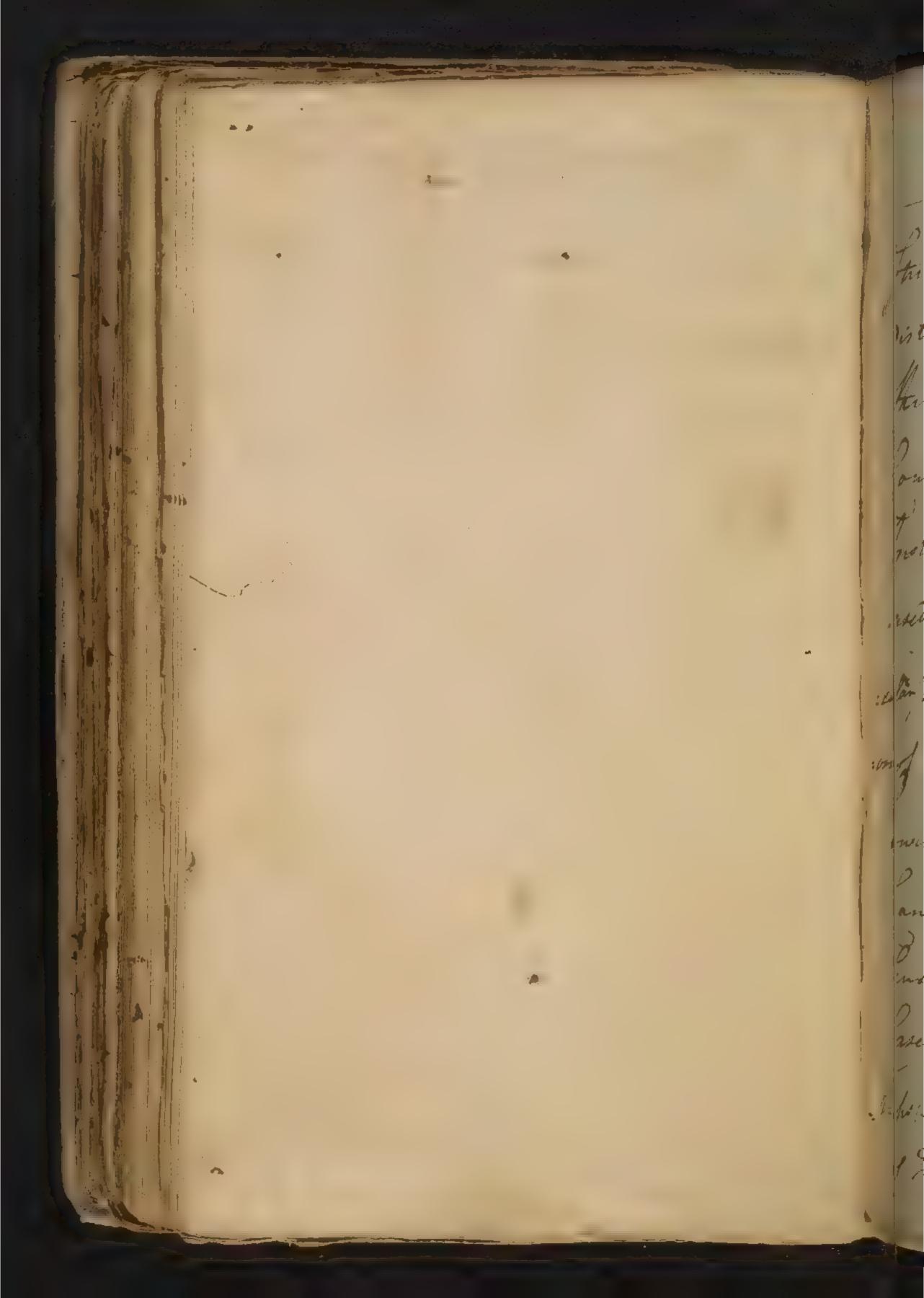
Diseases of the folioa briva . So lastly finsibility depends whom the Hate of the nerves or Organs of Sense Mannselves. Thus the Bystalline Line when more or less sprake greatly influences bision. The B'greater or leper Thicknep of the Particle will influence finsibility in particular Persons & Should always brattended to in enquiringinto the different states of fursibility in Diffirest Persono. II the tability. This is the most impor : tant I for the dame Reason the Most difficult part of Sathology, as being Deeply involved in the tuystery of y: nervous Lystem. I thall twee even



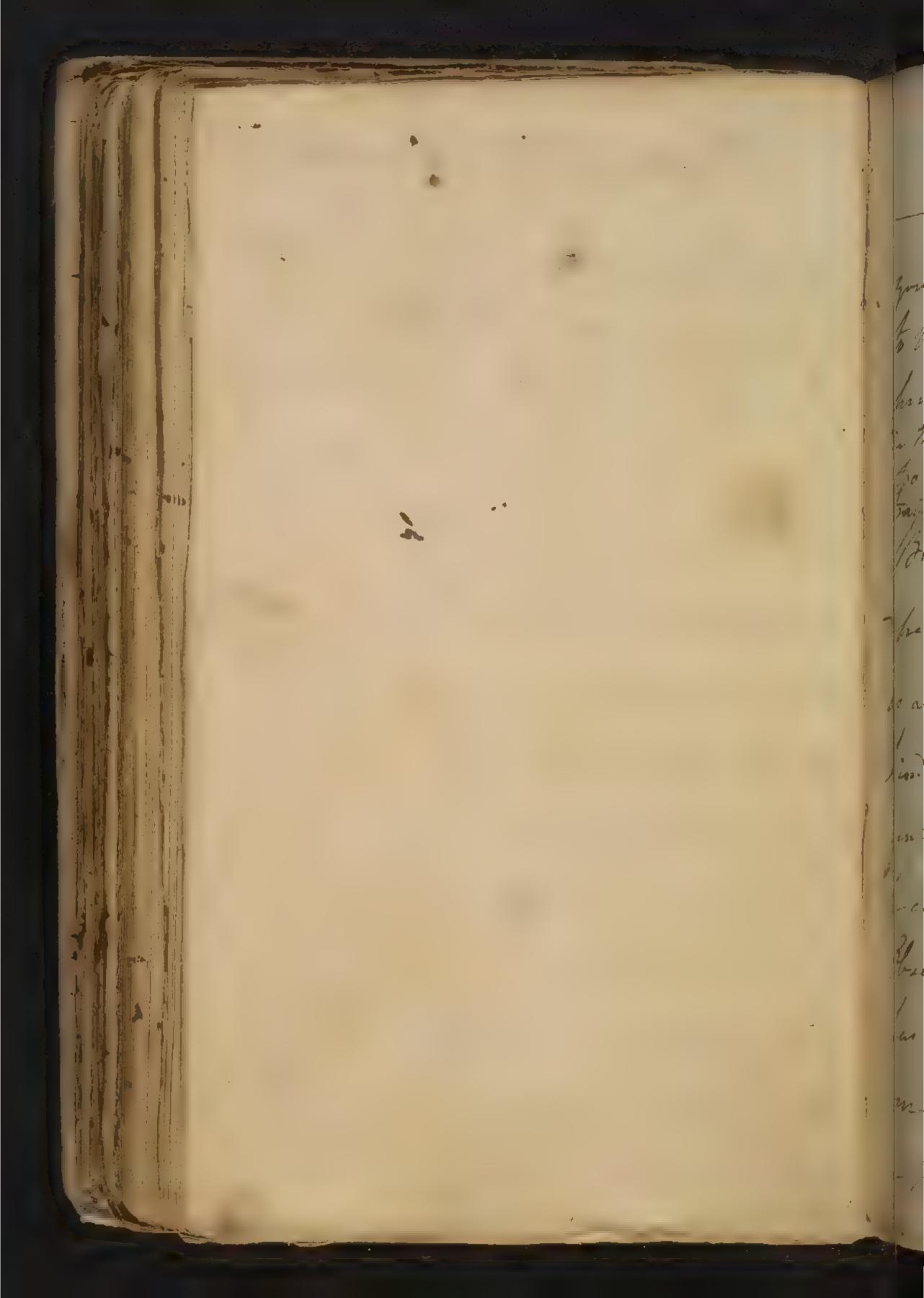
Diseases of the Lolida Five attempt to lay Lo mething whomit's endeavour to maheit as clear as popule. The word grita bility as been taken in diffirent times. The hopio logists understand by it the contractility of muscular di bres. D'ejaubiles calls it the bis tritalis He understands by mitability the morbid treefs of the bis Fitte is. Is an Secep of Frength! of Journa tility in muscles to becalled a Disease? It Whit imagins not de Nervous Diseases n. 91. He therefore alti-: butes all recep of Emilability to too great funditility or to a weatherfr of y throwing cribies. Frank when his keefs



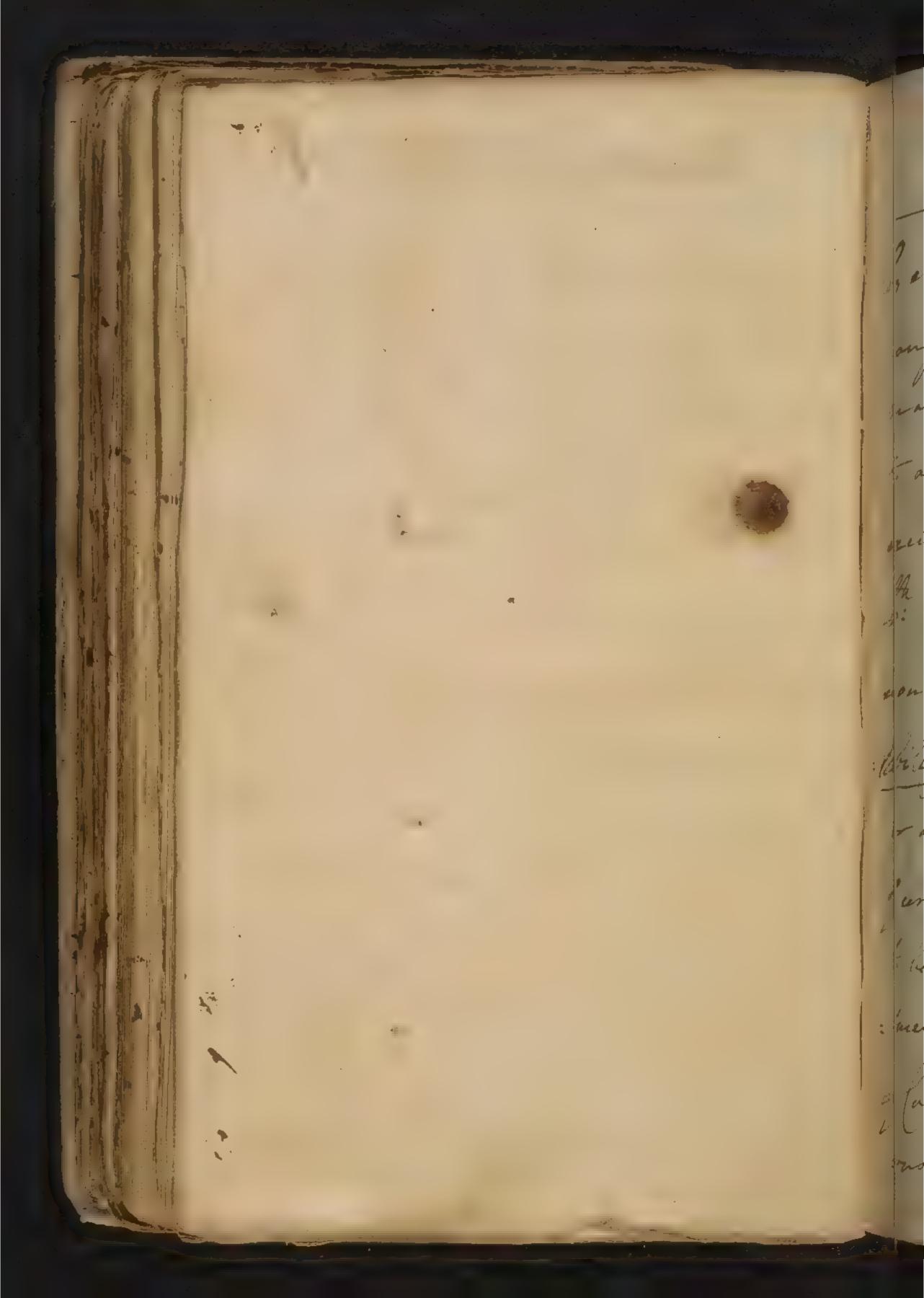
Diseases of the Polida biva) 331 of thengthin the Horse of fonthachtely who is diffused all own is body'd is mot to we alled a Disease, but When it is in particular fronts Inly for when quater in Im hartofy Body tran the Other then it may be said to be a show hid case of smitability. - Ind it difficult to day in w: fases flamator Dia theris of the body purhaps may he como Dered as a Directe of his hatine. - an Ingiometry den their consists in are increased Impleties of the bolood with hands our on enemied action of the bulades this is a Lucy feroportioned to the



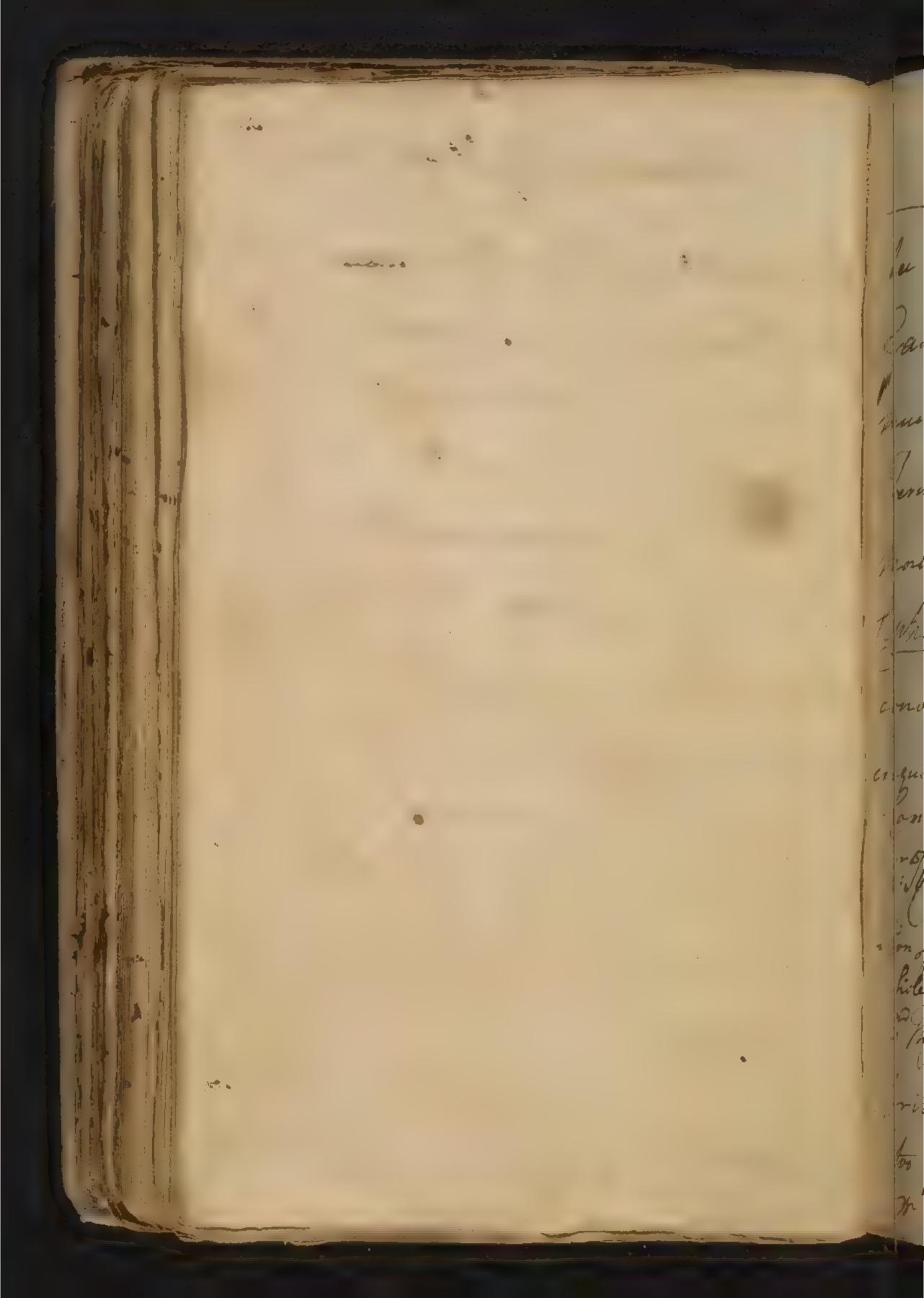
Diseases of the falidadriva Thinklus applied to them, or to the Disting from of the bylow. here There is an brule of the France of Contractibility. Leuce we fatten find Instances of to pical Frever or an enen. and Impather of the bolows in huntion. : war vants without an encreased Reti. con of the least & Olateries. This there very owing to hothing else but an energy Canthautility or mitalistity in that Jemse in Angeiologist use the boid. Other ases of particular Initability might per: hapite prointed But as depending own help of Finnion in particular parts. Theusa-



Diseases of the Johna biva. young widow who has long banused In ben hy agments where first the is de. : prived of them, from a tension brotton train of Hyster je Discarge. Litte downst represed upon energased finishity as L'aubius Supposes, nor is it that kind of mitability wis excited by gentte Strinceli, or gives Rive to What he calls the motes enormis" from there Herence that the word findity hus them was in a too bague funce. mont of Profile understand by it en fromen of the Body to be cuted on

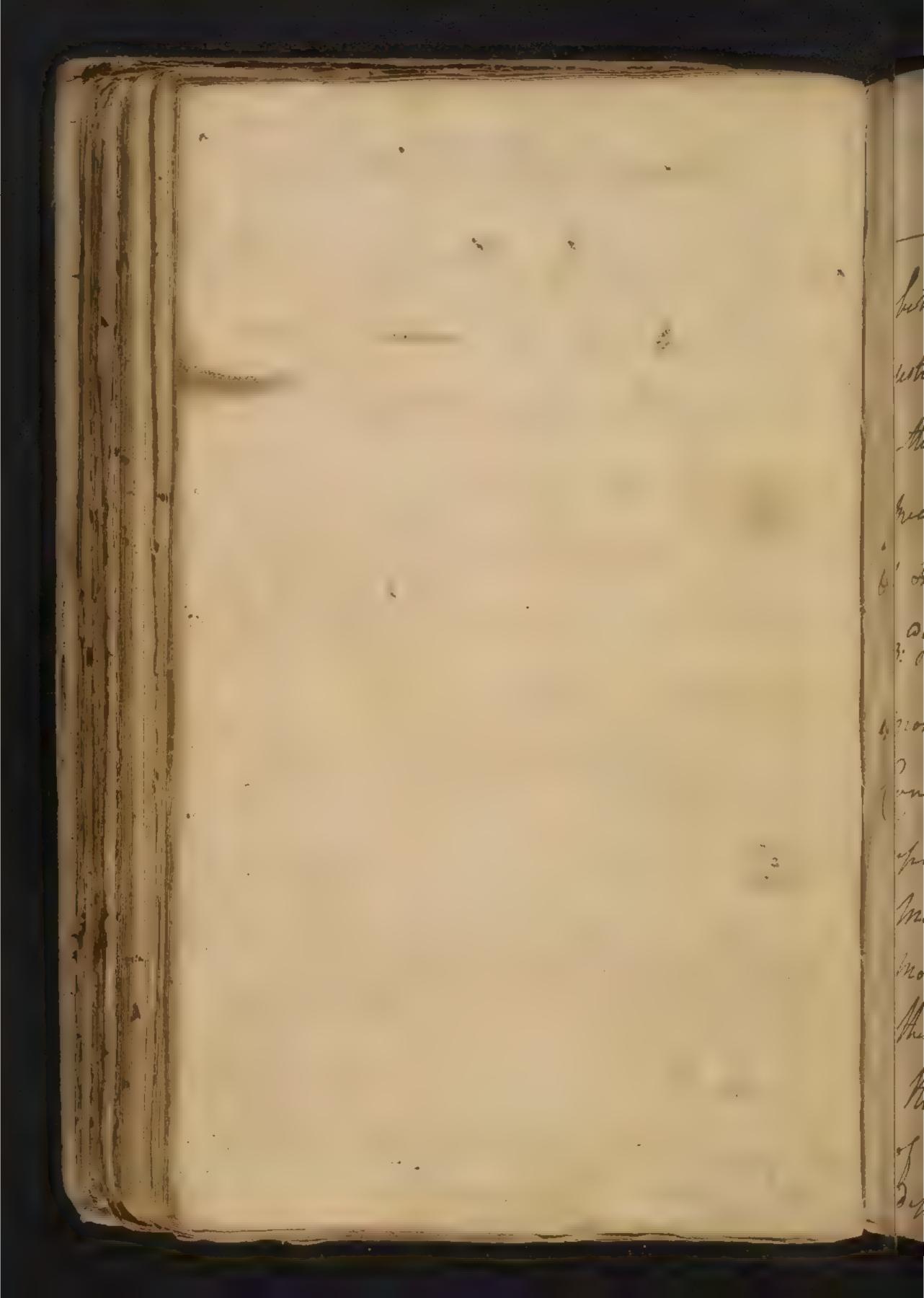


Diseases of the foliate briva. by external legents, but four would confine its breaming to imprepions made on the trervous fystem only on to an Imprepion on on here w. excites Contractions on Other parts w: the Intervention of Jensation of would likewise restrict the load fm: : tability entirely to museular Fibres or a Disposition to contract in Consequence Justain Impressions. pritability is only to be considered as morbid, when it in: : duces irrequelar fontantions. a traditite of Contractility is by no means to be considered as a mortind firetability.

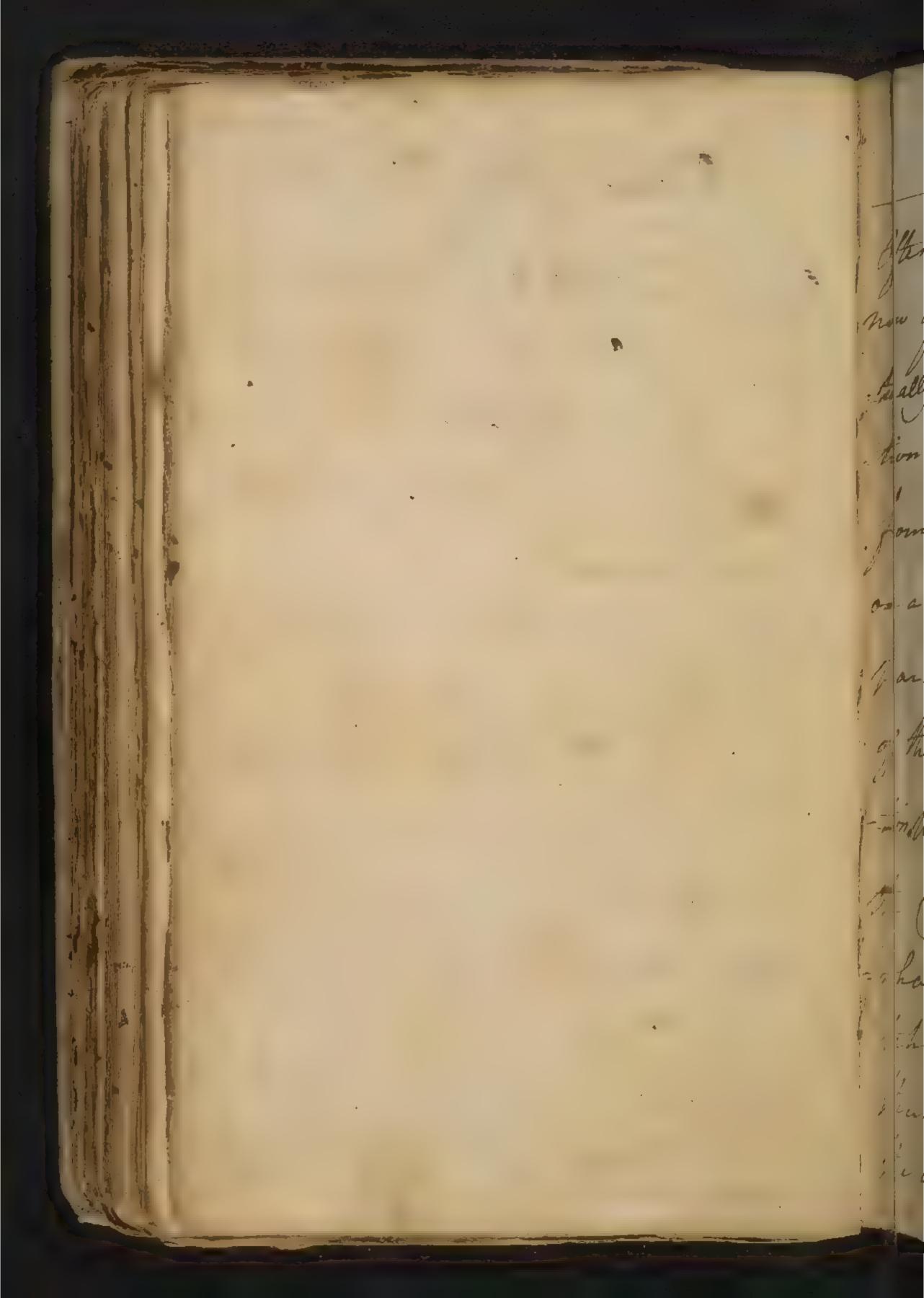


Diseases of the foliala triva Les this more fully illustrated by Des Gantius & 743. For however much huthors may disagree in this ferme, they all agree in referring the morbid a see of pritability to meglelar Toutractions of musicular Libres whether convilsive or pasmodic. Let us how Enguire into the face of these Irregular : Theymay depend whom a montrid affer. while the state of y moving Tibres remain y Jame.

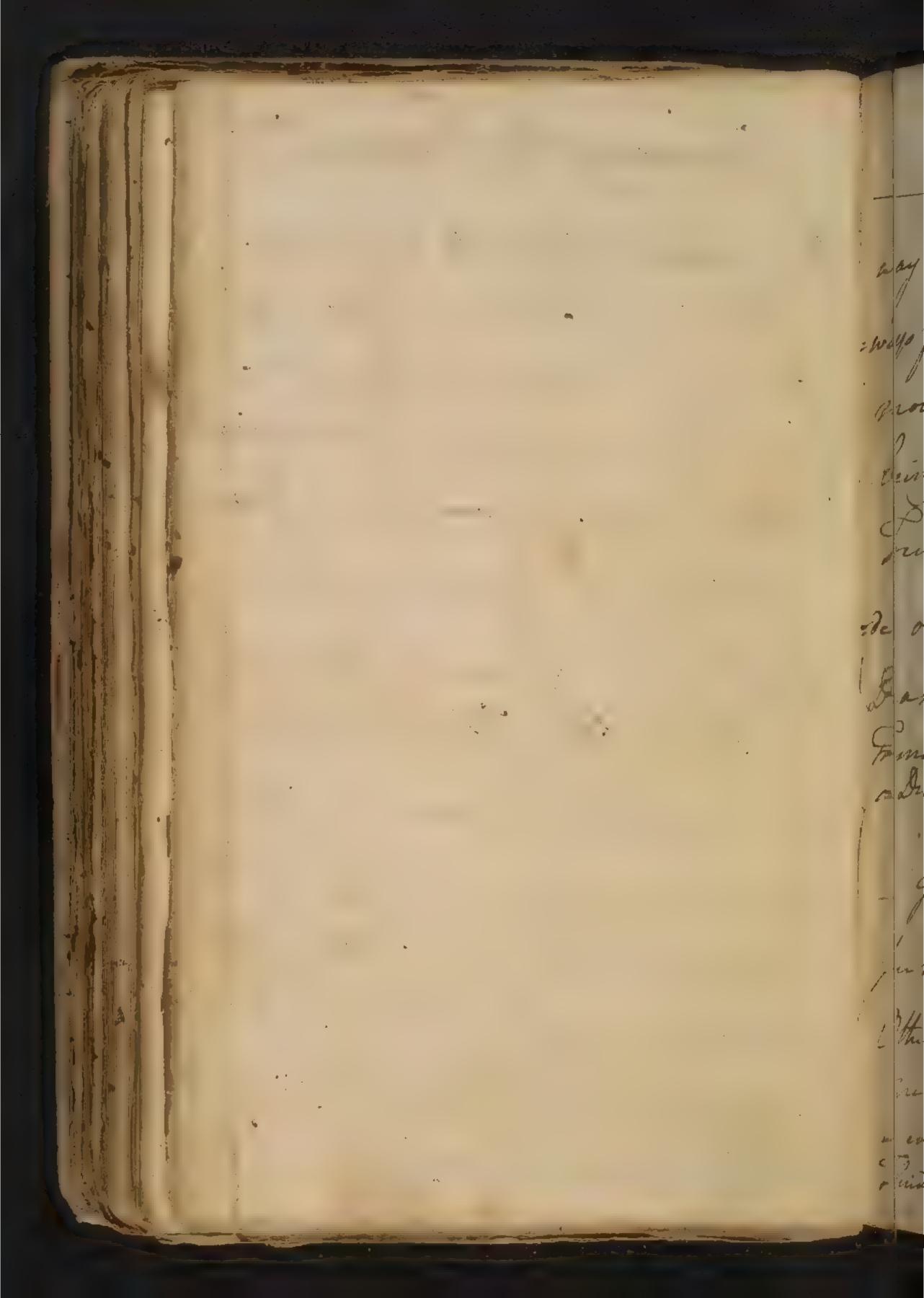
2. They may depend whom Jensibility & fritability heing in an Excep or whon too quat smobility of the humous Islaid,



Diseases of the John briva. between pritability funsibility being destroyed. in this lase a breakup genorally attend, the Contractions. hence they are preculiar to weak Wabits - young Pensons A Agotini Women. 3: They may depend whom they take of 4: moving Fishnes Themselves, without any Consultion we fur eiterliety. They depend whom a bant of findion, or whom too Moseable Genorin. most of the irregular mo timowe purceive in the fystem arise from These Causes . Let us 1 enquine ento The Diseases arising from of bont of Funcion. The most simple affection I hending on this Cause ist Fremot Junsion



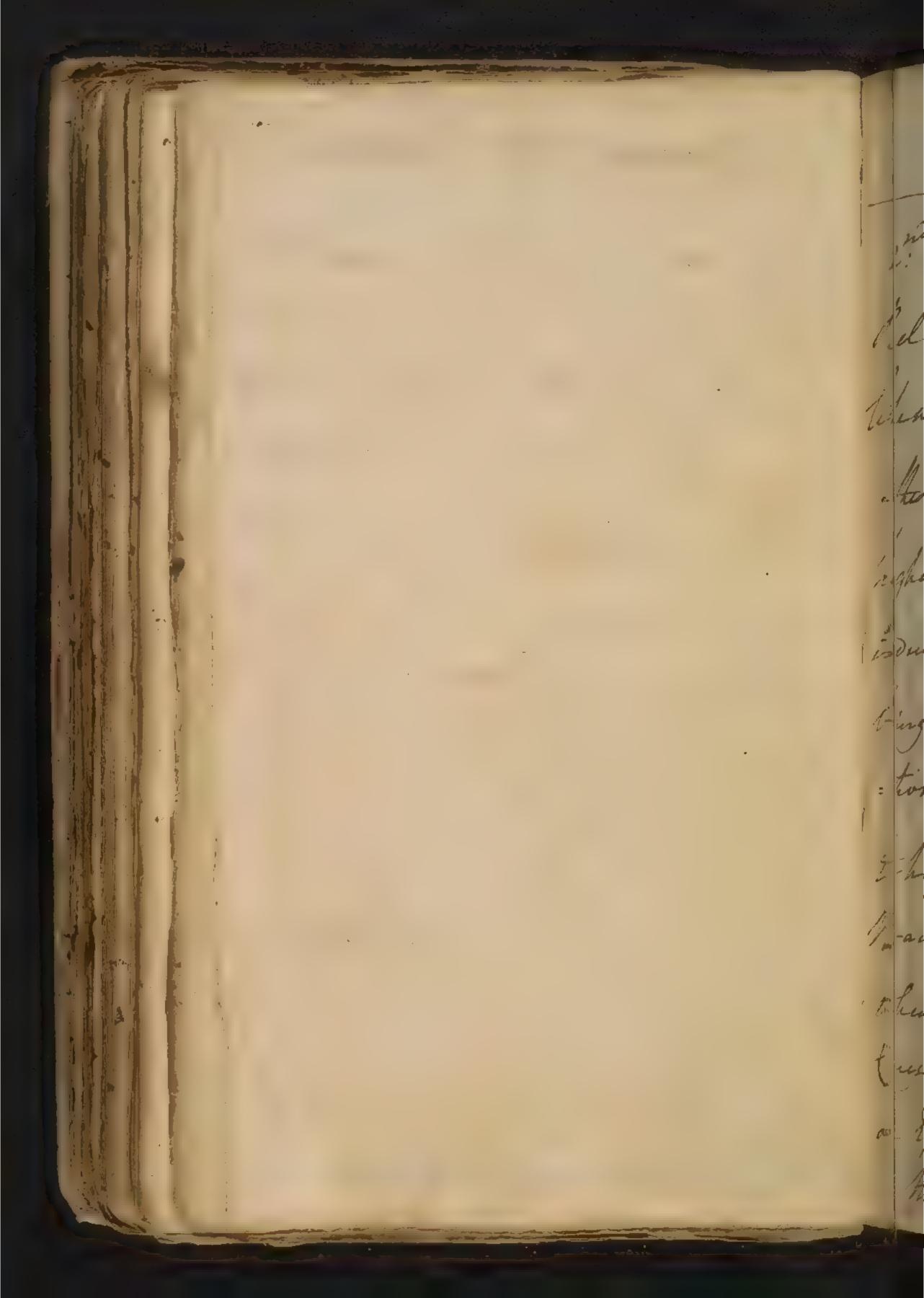
Diseases of the folida triva Esten depends on wrights appended. non if this is regresoved a fremor has tanally ensures. it would be easy to men. tion a hundred tramples of tremon arising from this Cause. Tunsion lihewise Defunds: on a Trulnep of the Blood: Vefulo in particular Limbs. hence a tresmor o of the land often follows benefice: - hondeniversel framors also are often? The Consequence of general Homor. - rhages. Dehletin may act too by taking of Lunsion from the Brain & Thus deminishing the tonic power. The Papien of Friar acts in & Lame ing



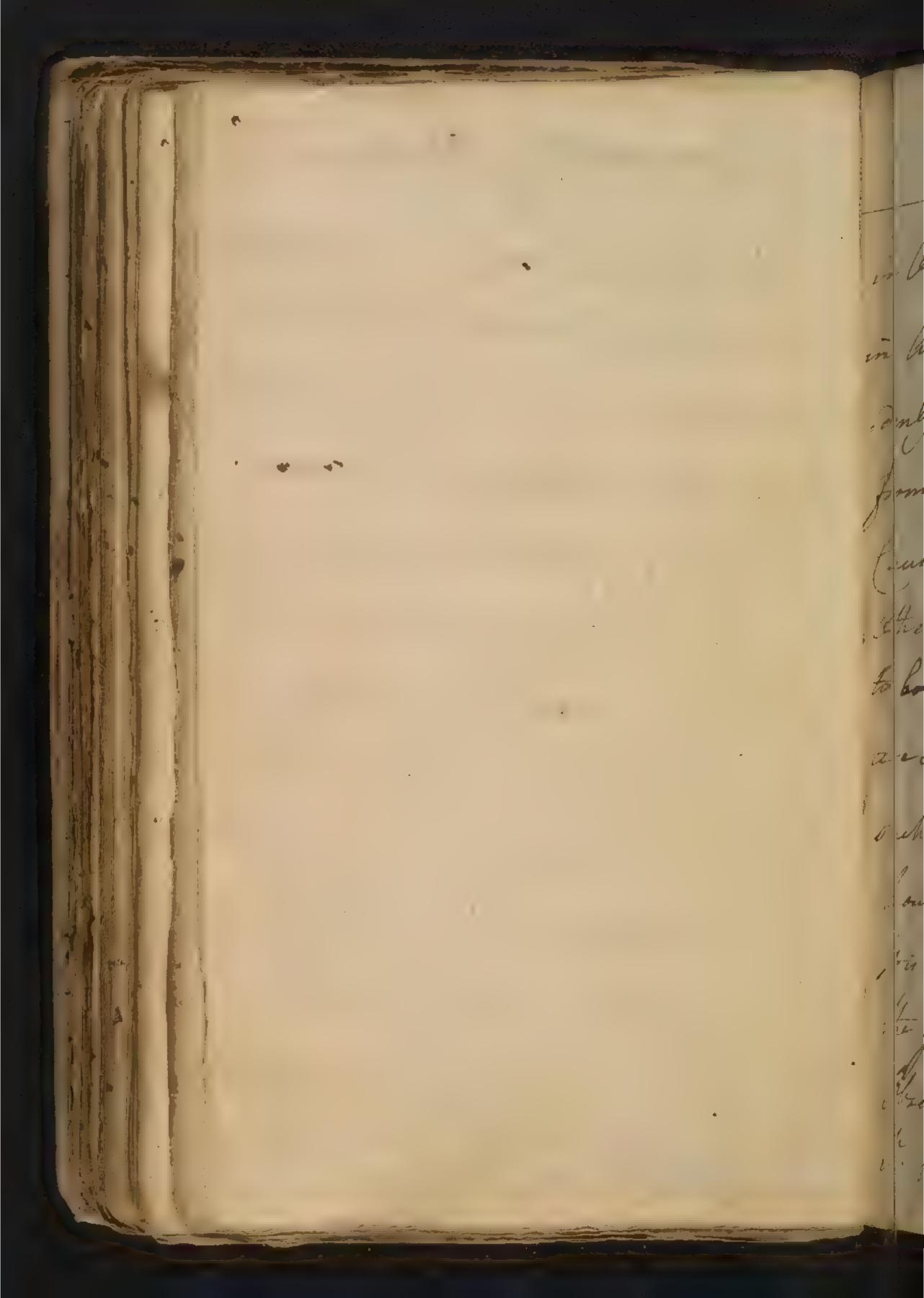
Diseases of the folida biva. way. in a lood fremon almost al. : ways follown a want of tension. it is more abundantly confirmed by our being capable of removing These Fremors either by weights appen. Det or by internal stringli. Theme your Framor can our them at line by taking a Dram w: act by knownshing Linoish ing Lytim. . On what de these Fresnow depend? forhall just Offer a Conjustive.

Sunity. &

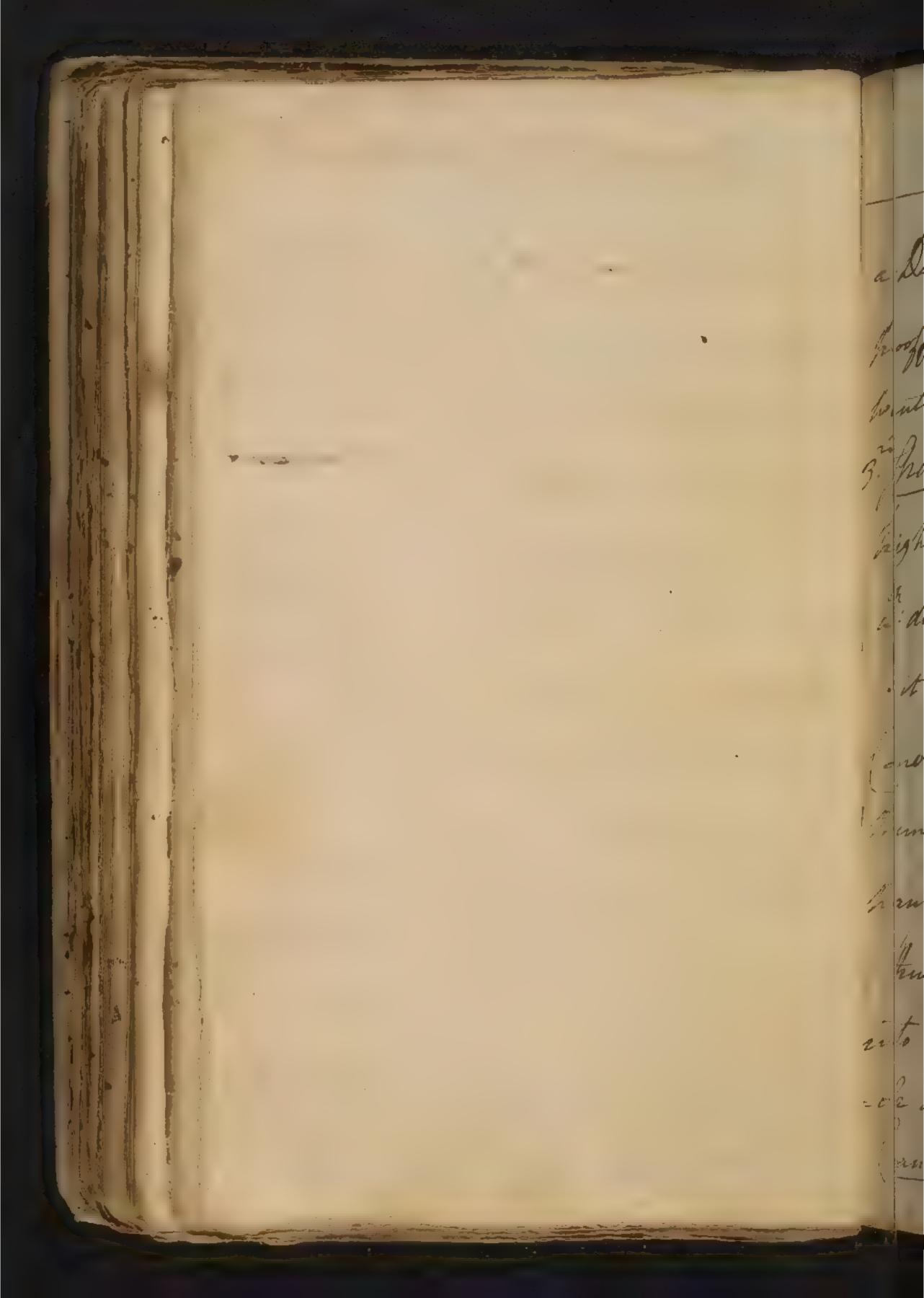
Juntapo on a hant of housing. Other of our houses w: gives it a greater Dispositionto Oscillations. This Thuis w: are always broth mobile when most in



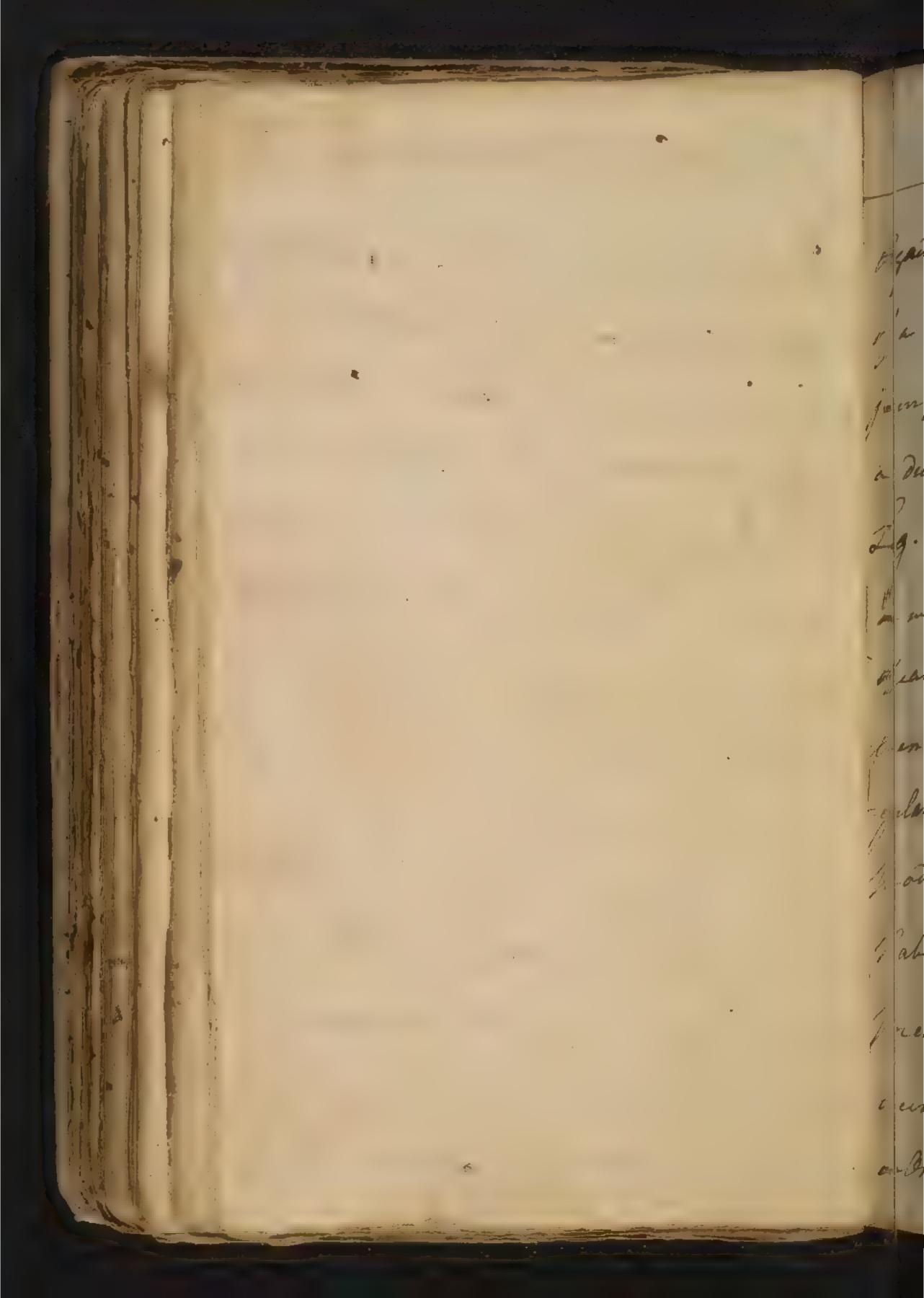
Diseases of the Polida briva. 2: Towalsiones wi are an alternate Relaxation of Museles Tihewise defrands on a want of funsion. . There are then hothing but fremore in a righer Digree. Great Homomhayes w. induce a general want of Jonsion often bring on Convulsions. perhaps then Open. : two may be confined chiefly to thier ta hing off the Finsion & Treitment of 4 Brain. This Seems still mon probable When we consider that the Same Causes we induce organcope to he wise fring - Mus Polodo: belling wi Lings our winting



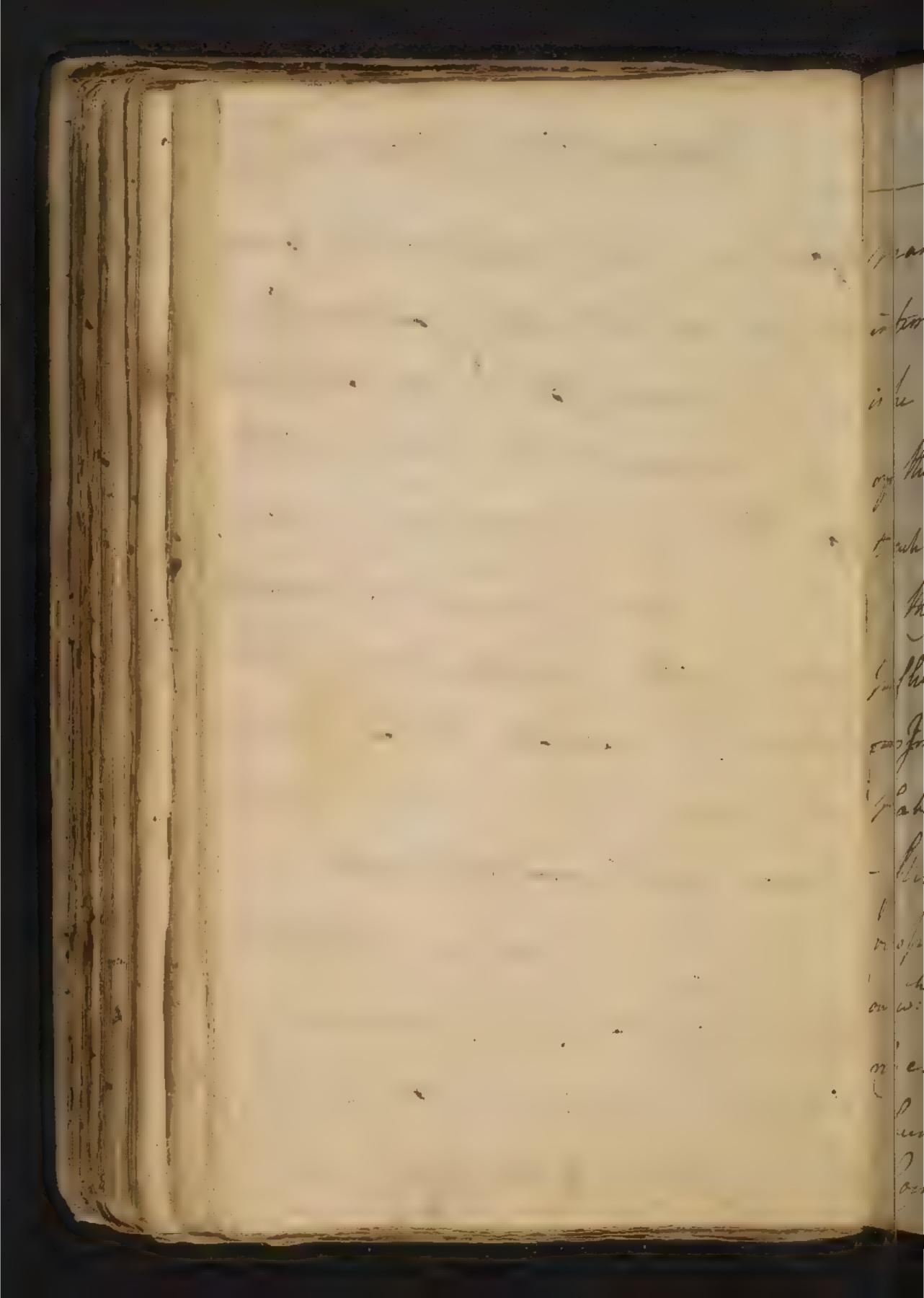
Diseases of the Johida briva in One Cerrona will bring on Whilehoy in another from sider then the Side denly faking off Tunsion or traitement from the Brain tobe the chief to woo Course of Contrassions. perhaps downe Other Courses may likewise even tribute to boising on Convulsions, but all these are Luch as Operate on the Borain buch ar enquisite Pleasure or pain. how they Operate is difficult to day. His eno for me that Thave or tablished the gunral Supromition. I shall ante, Observe further that all the unsed w. produce Spillpry fint produce



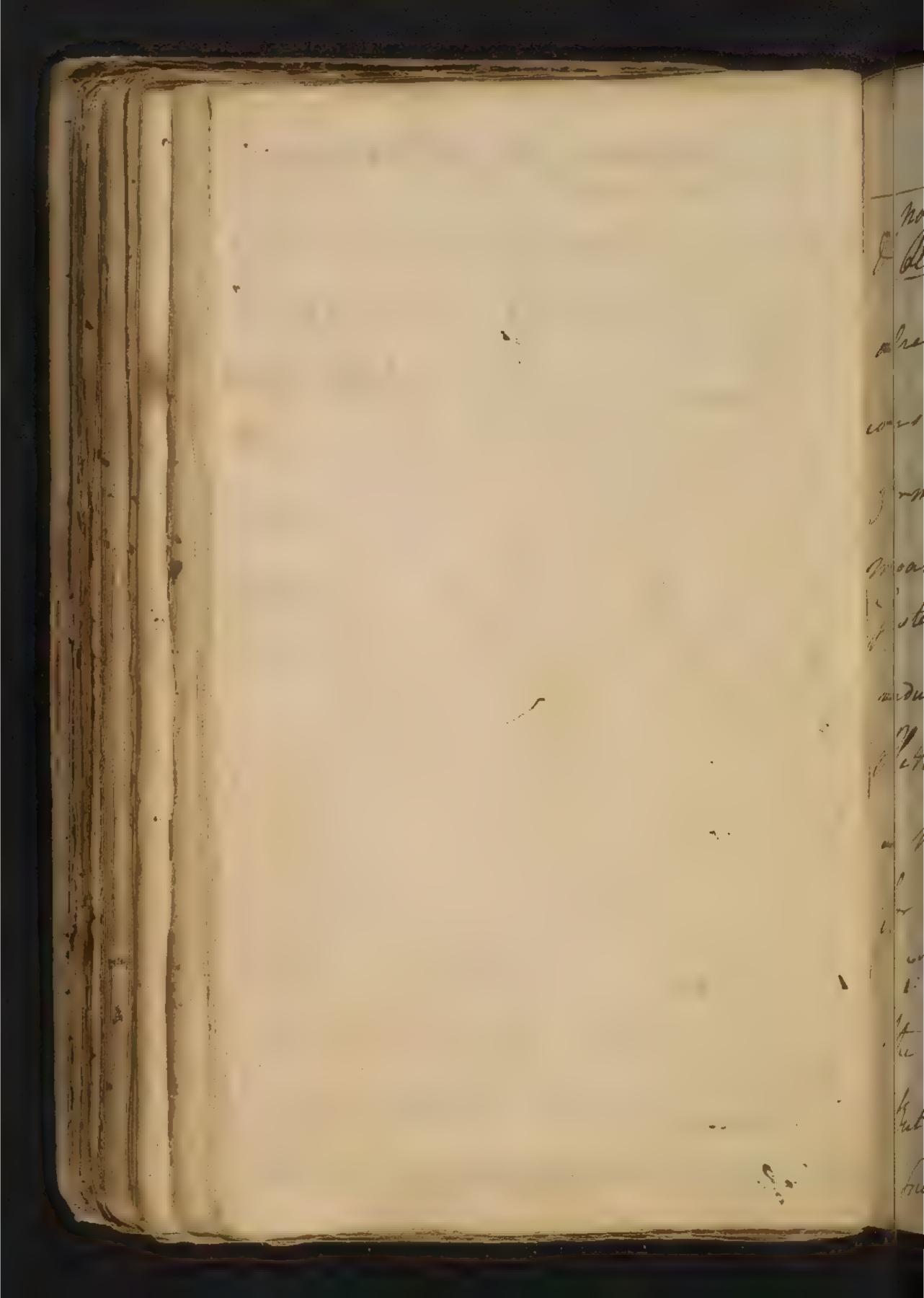
Diseases of the Tolida viva. a Deliguium animi v: is an additional prooff of all Combulsions defranding on a want of Funion in the Brain. On widoes 3. Thaim depend it is hothing but a higher Dignes of Consulsions. or Consulsions wide not readily admit of alternation. it is generally more or lep mixed is: o noutsions & almost alway, terminates hun. Sprann bihuvise defundt om a hant of Finsion as well as Convulsions. thus we often du a musele juil into a ffram when the antagomistifues. inde is not in action. henre wer find the camp is runous by prefing thereof



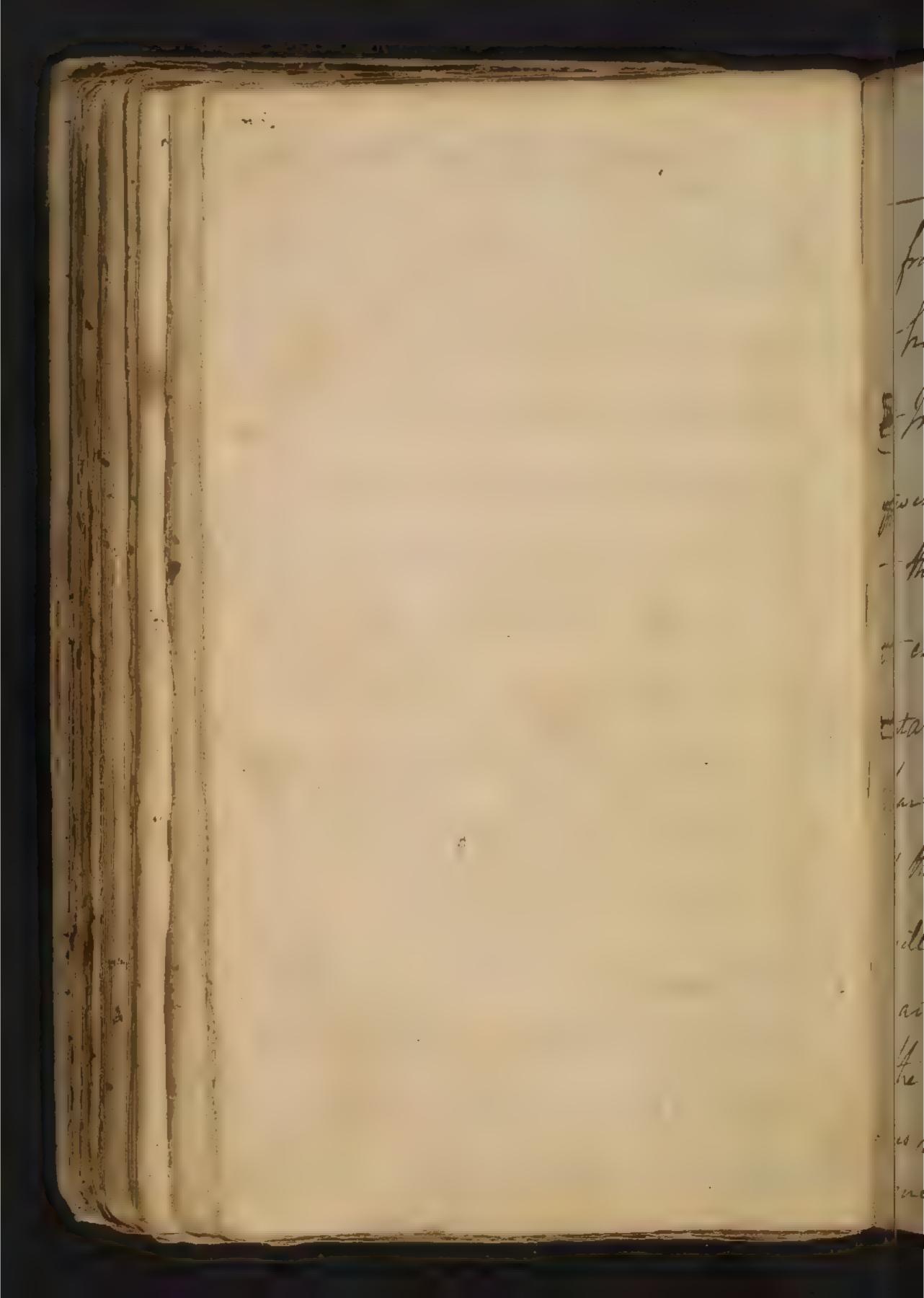
Disecuses of the polida briva. Reginst a Board placed at the Bottom of a Bed, or Otherwisely suddenly jumping out of Bed, 20 as to restone a-due dension to the manles of the Leg. Other Causes may bring on Sharm as well as hant of Fension of www shall Speak here after. To illniteate in has; been said, I shall add that every fore= gular for otion mont encrease itself & moduce higher Degrees of Consulsions: By Habit all our Betions are fixed to a priewe In ansner of Ourformance- to accontain belocity & a regular fuccession in Boder. The long hum has his



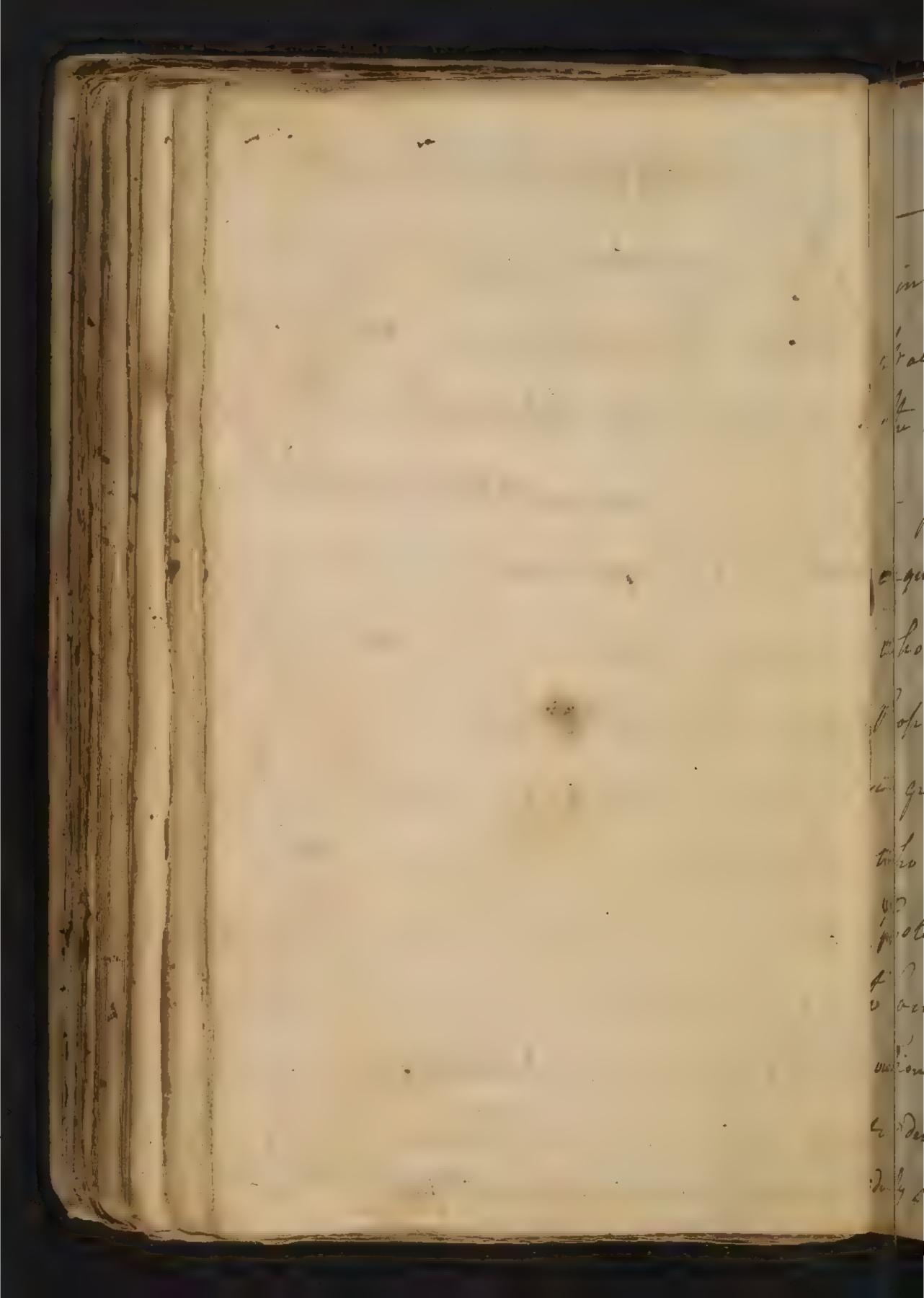
Diseases of the Jolida briva manner of Meahing, but if any thing interrupts this manner, how easily is he thirown into Confusion by the Ballene of the fystein being distroyed! This will teach us how stimuli productanouliums. . They art by bringing on an enercased Influx of the hervous or laid & thur increase fregular motions w: by time and Habit became hatural to the tystim. - Himble then act by hurrying the hun = vonsprower & thus bring on irregular motions w: in all weak Malit must neupa: rily en enease themselves. What has bun dois applies to all lares of Convulsions dehending on Inanition



Diseases of the folida triva. Holepletion. The first we have already considered. He shall now consider the Lecond. whherh we said; formuly date autid by inducing two. moarable Lesquinite a remsion inthe froten. As Depletion from Mamorrhages induces an Atonia so Mepletion or a Methoria State of the Blood Suchelo gine a moveable fin sion w: lays y frommation for a Morbis mitability: 1: His Exquisite sen sion nag de pend on The Mobility of the hervous pystem itself But 2" It will depend on a too great Fulnes of the Flowed while arising



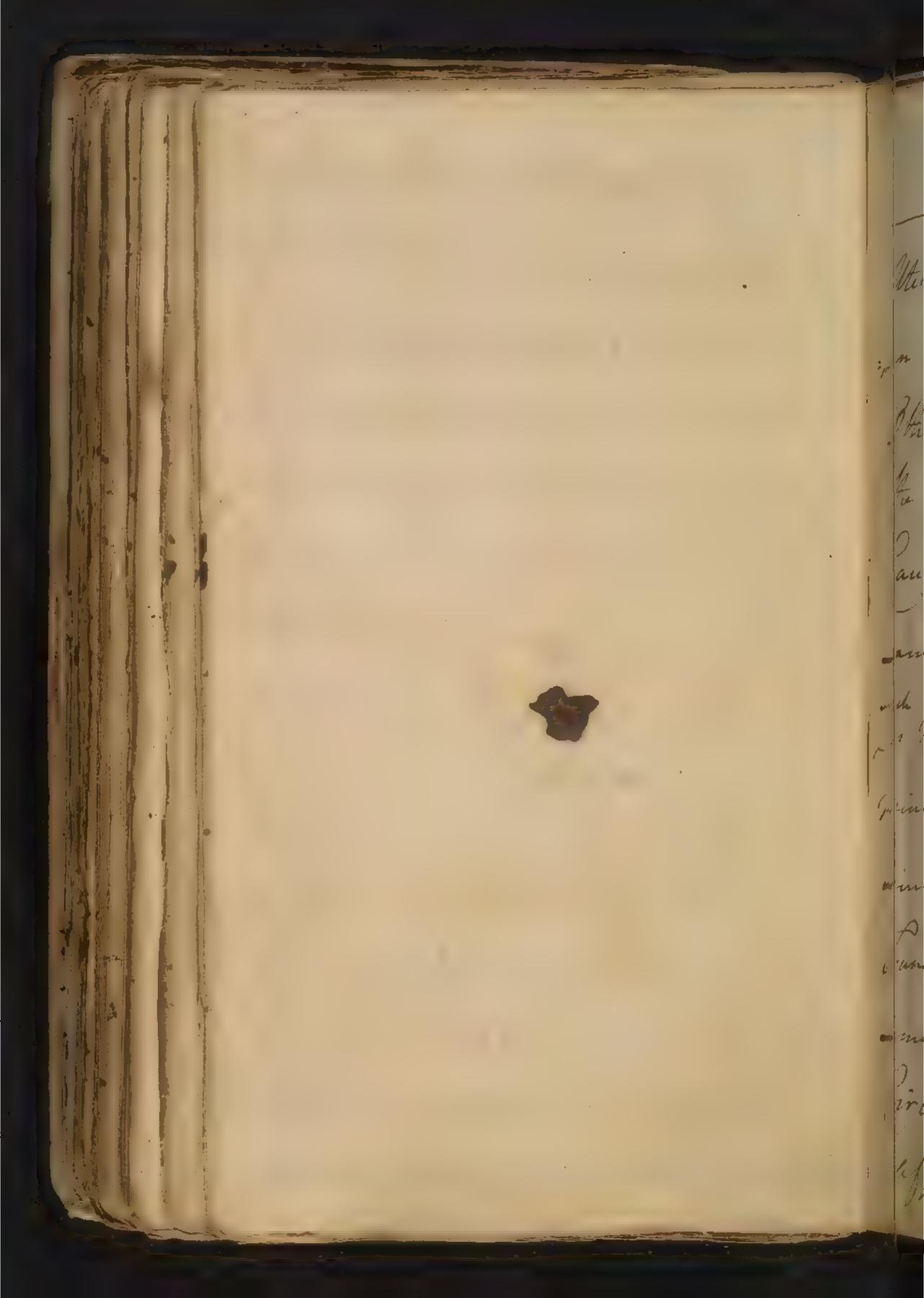
Diseases of the folioa bioa from a mortio laxity in the jolids. - hence they easily yould to y quantity I mohether of the Blood. This ralness than gives a very variable & movable insion. - this Larity pot only gives Occasion to exquisite fension in y whole fystim. Bestany thing that gives a layity to a particular part & encreases the mutus of the Blood in it at & Jame time will induce a frension in a franticular part of the Body. here we find after The Taxacentesis a Deliquium Animi enencreased in how hart Whestroyed



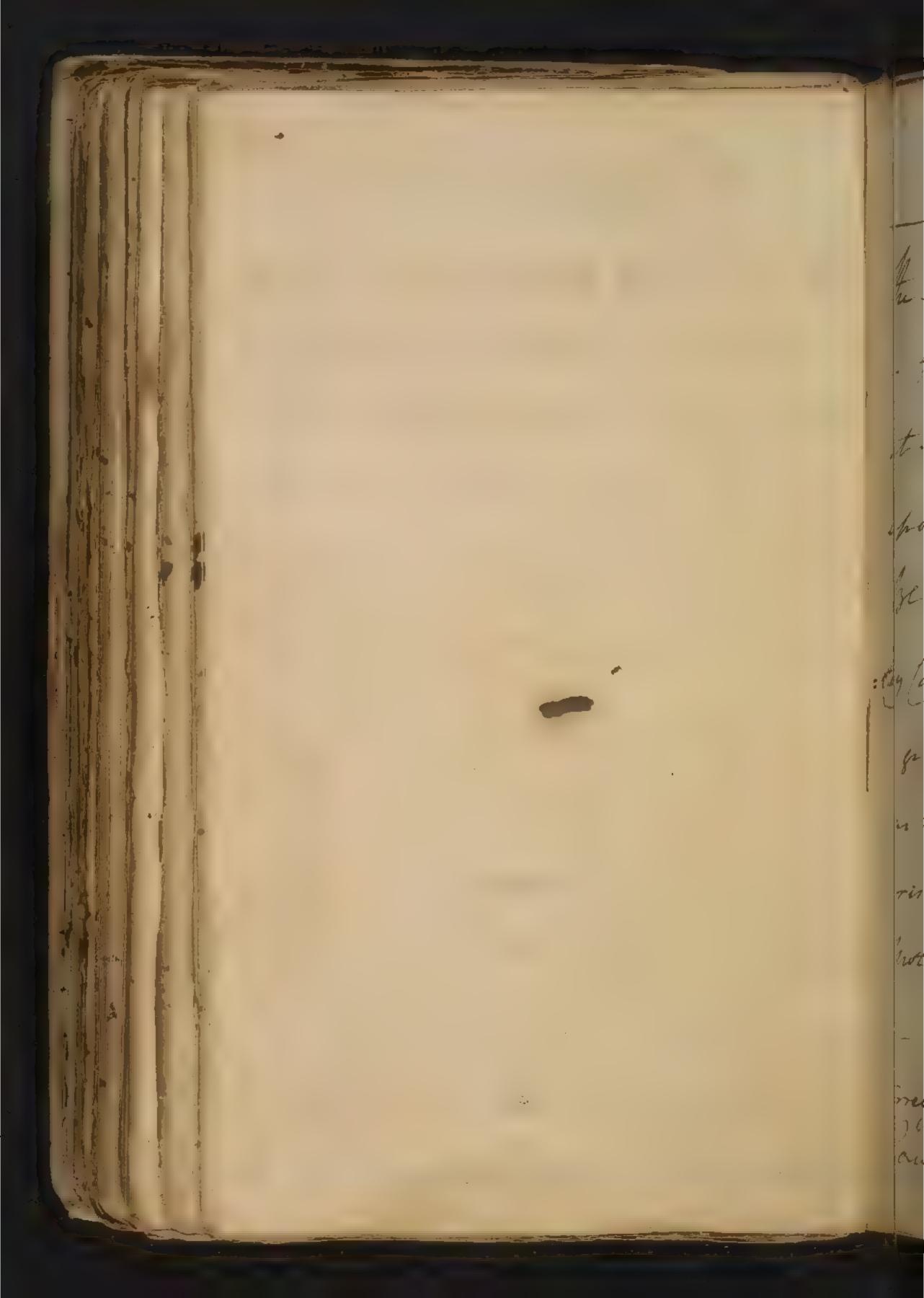
Diseases of the folia biva in Another. Small alterations in 9 Or allance of the fystern will always affect The Body in proportion to its mobility. - In what Constitutions does duch as erquisite Gension accur? In all Persons who have lax folios or heistly in young People in whom the huntetus of the Islands is greaten than in Old People. Infants Who have the in out exquisite Insion of Tyotem are whom this herount most Julijut lo louvaluono. This Pudisposition to lon. : volsions is always en meased in lanes ofvery, Judget Growth when the lower audio:

* these

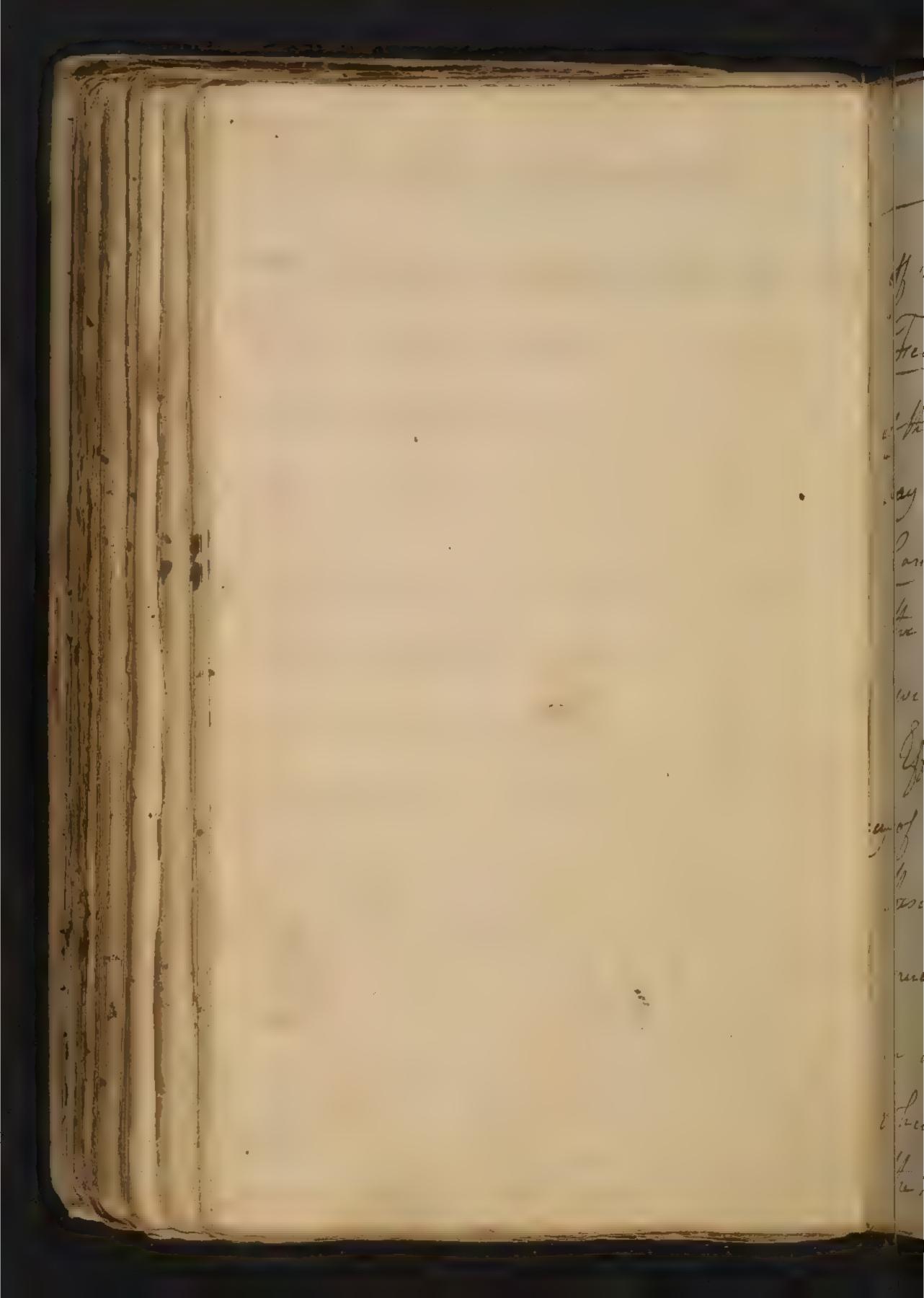
Diseases of the Jolida biva. The Blood is such that the folids do not you to the sure. The great treequiney of irregular Motions deuk as homeafanctibilitée in young teople about the lage of Ownerty. The thileby in Men &5: Aysteria in homen mag be deduced entirely fram Causes. in Women mon expecially there is a new fource of befels Opened w. give Rise to a most er gensite Honoreable Finsion in Ampart w: greatly in fluences the whole fysternesh asis ally the alimentary Canal wiis y feat of the Hytheria Hw: necewes its Blood. bef. : sets from the dame great Branch as the



Diseases of the Tolida viva Menus. Why Do Agsterie motions frage. : fun in Some Temales & Epilipay in Others. The Diseases both occur in The same Jystems & Defrand on 4 Same Causes. They Cihewise Defreis on the same predisposing & Recasional Courses as He thora of the various Patrions of 4: mind. even in their fignifitoms they are dimilar both occapating the dame franctions. hay they often unite ing. Jame Persons & at y dame time . What Circumstances Determine the Pacto affect the Alimentary Canal &

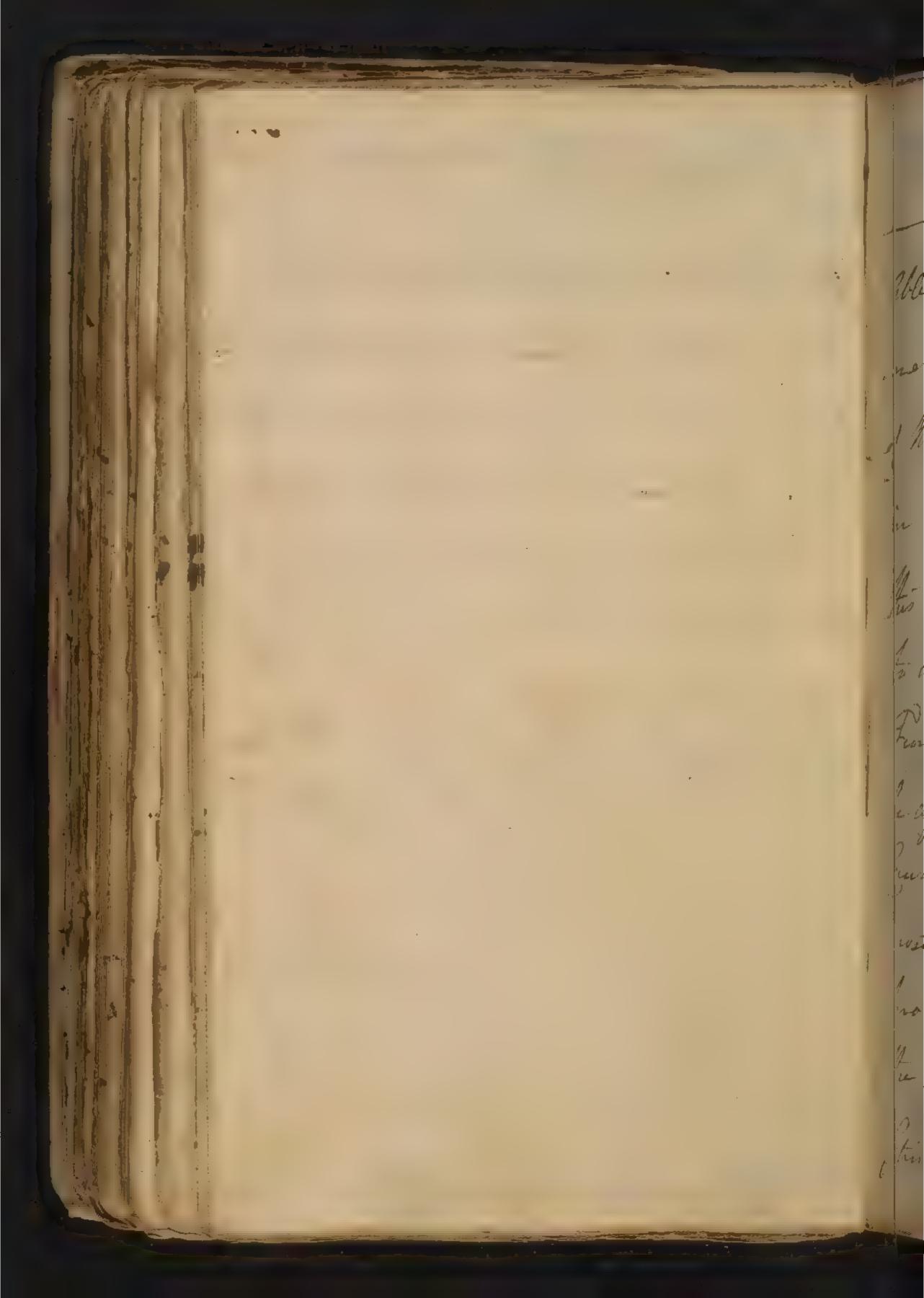


Diseases of the folioa triva. The Men the Vital Linvoluntary motions? - The answer to the phase hinted at. It decemes in the Aysteria to defend whom the Communication between the 13c node before of the leterus d'Alimin. : tay fan al. the Hysteria is attented w: parmy gradually rising whowards in y same manner as the Spilety. But the Sprilepay always rises higher & produces its inequelan motions and by neaching The juniorium. By what (ireumstances are There. irregular Motions brot Bu? - Many Course wi induse them act by taking

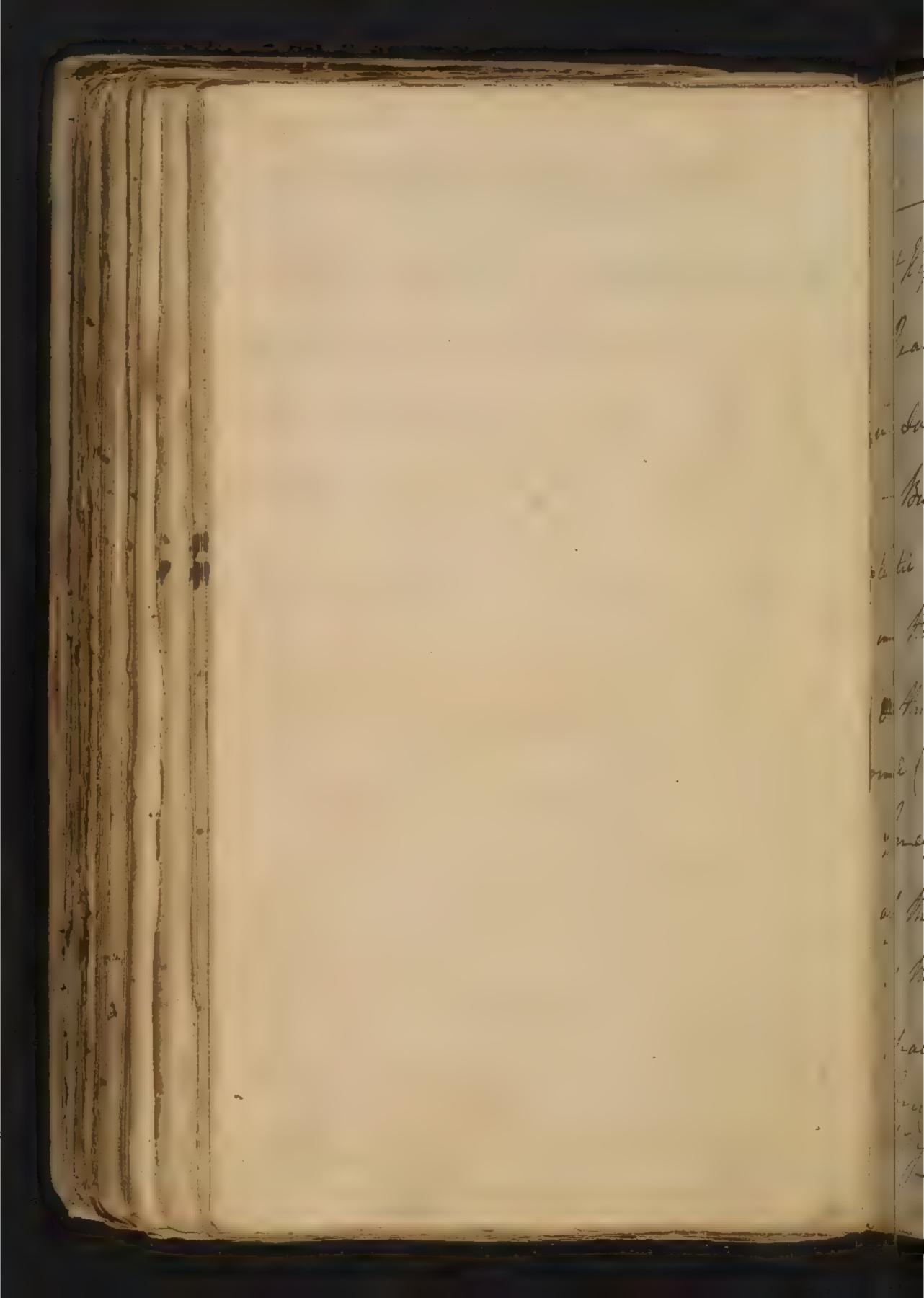


Diseases of the jolida viva. 350 The Excitement of The Junsorium.

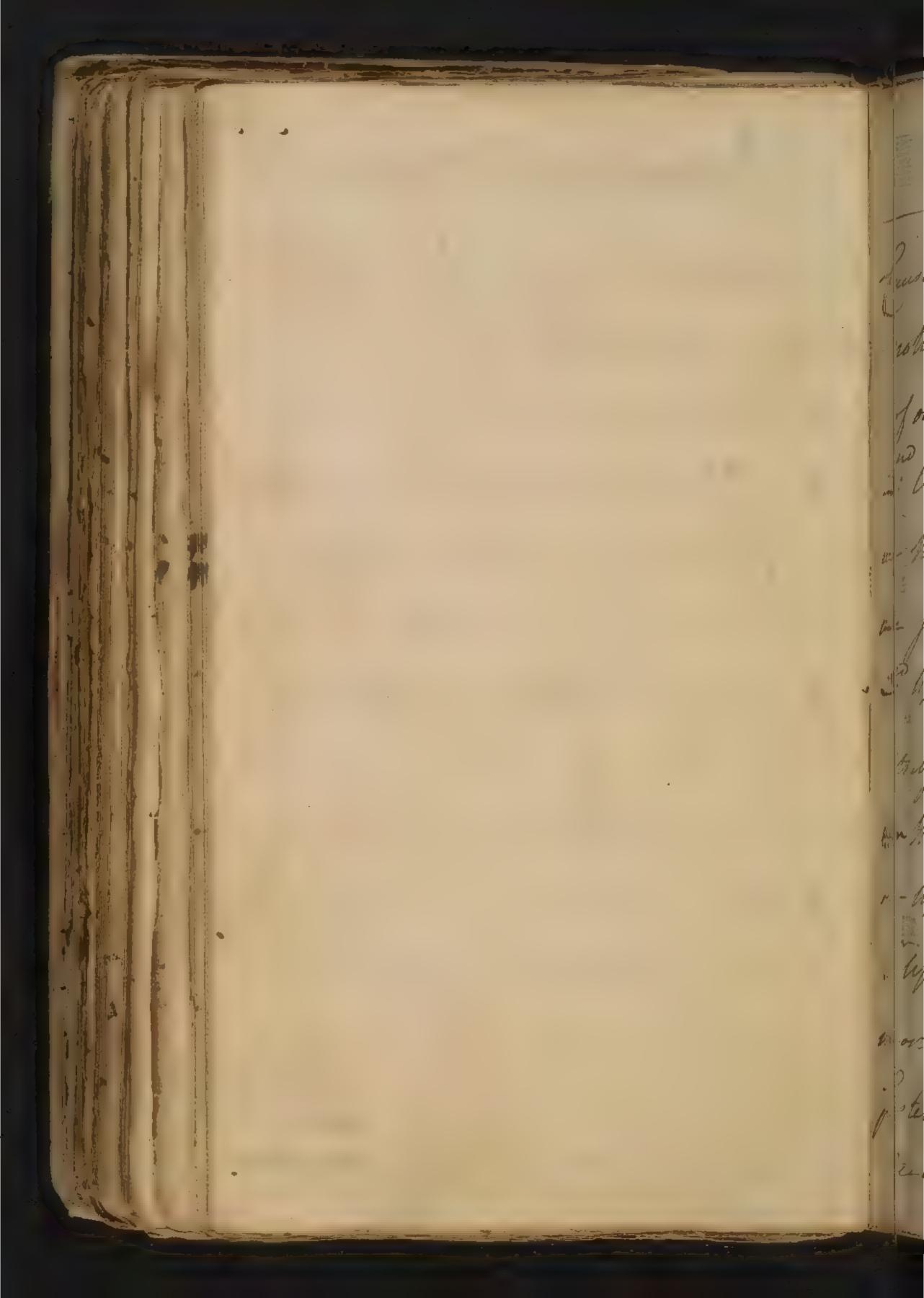
Trear is the common Recessional Cause of them Is his we are save acts in this way. But in the Reposition of theme Canvalions motions cannot Depond apon the Lofs of Vacitement in the funsariam. eve tright indeed here call in the Uffects of Platit to account for the forgung my of their Reputition. for we after find Therefore ulive motions accusioned much by He thora itself withoutealling in any Cecasional Tause especially When this Cethora is determined to The Read - hence of how often been



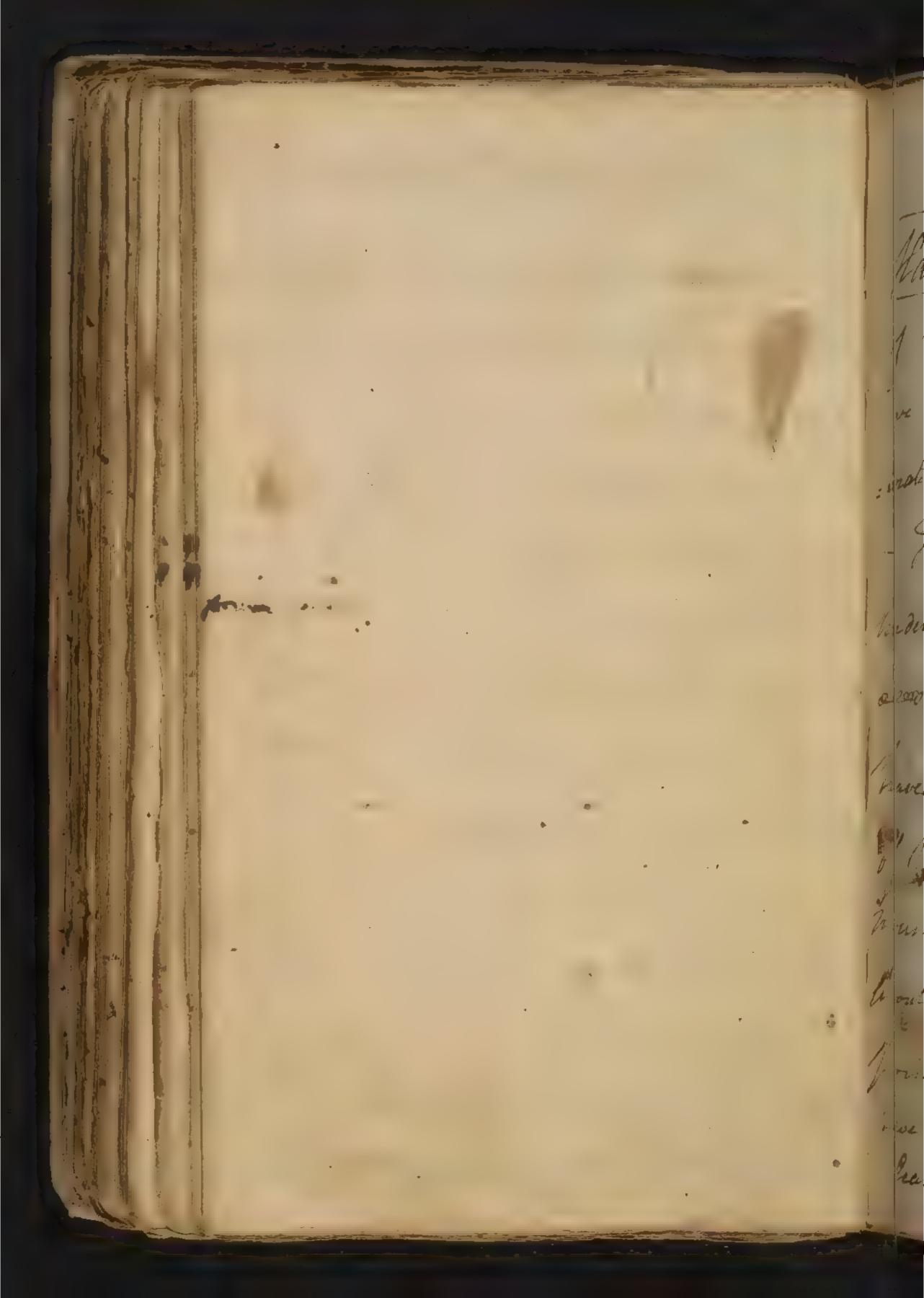
Discases of the folioa viva able to for tel an Mysteria Paryonism monely from the Jungescence of y befold of the Read. His of great Importance in the Fractise of Physic to attend to This Observation. The Rethora deems to out by inducing a too exquisite Function of the Tystem w: Disposes it to In affected by the slightest accasional Courses, the Molood is After determined must to ane had of the Brain. This produces an mequality of Distribution in The Bloods. (ourse w: may out as a Frinches & thus tering on In why &



Diseases of the folida viva. 352 I Rysteria. We may from y same Ouasons account for the Convulsions w Sametimes attend partial (hrenry. - But further in many Dipertions of this : lestice la trents we find fichini of Ofsefications in the Brain. There may art as stimuli # Am jained w Plathora move an Occani: onal Course of Whilehoy by indusing an maquality of Fension in the Diffirmit parts of the funorium. This finishes our lin? of the morbid account mitability. I Hale will have repeat the lawner ev: Prince in act without any Bearing

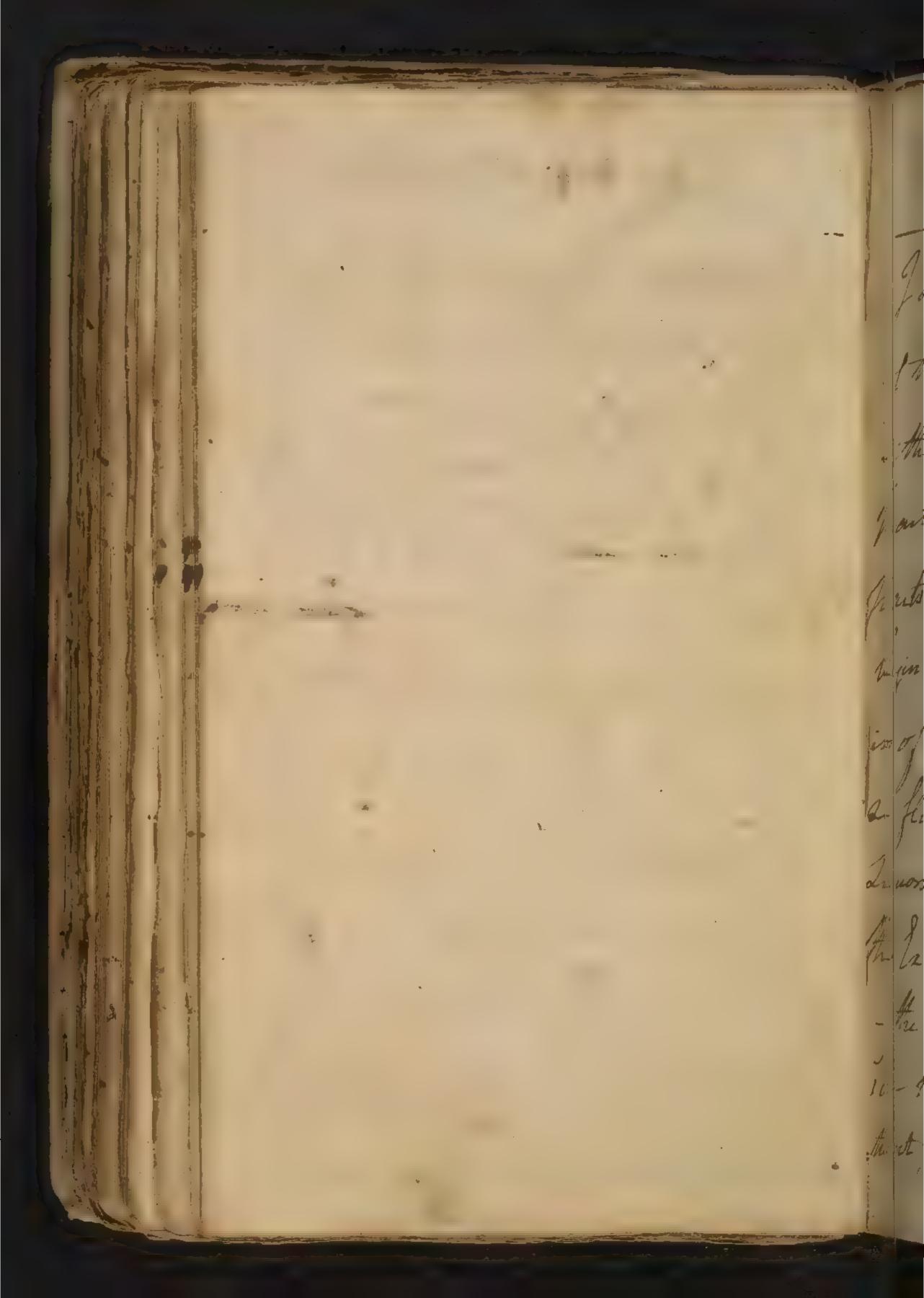


Diseases of the Polida triva Laure of the merely by producing hurried motions, widestroys the ander & beloute of our actions. But they may defund 2: On very quat /mibility water in the dame man ner as the timuli we Shohe off, It is not commented is: encured prite. - bility. 3: Whom the Instrictety of the hurrous yetem itself depending upon the hervous Other for the herves themselves 4 - Whom a want of Junion in & fystion 5 Whon too exquinte fension. This isy most frequent laure, as it exposes the Jystem to be affected by a thousand breasional aurer of irregular Photons.

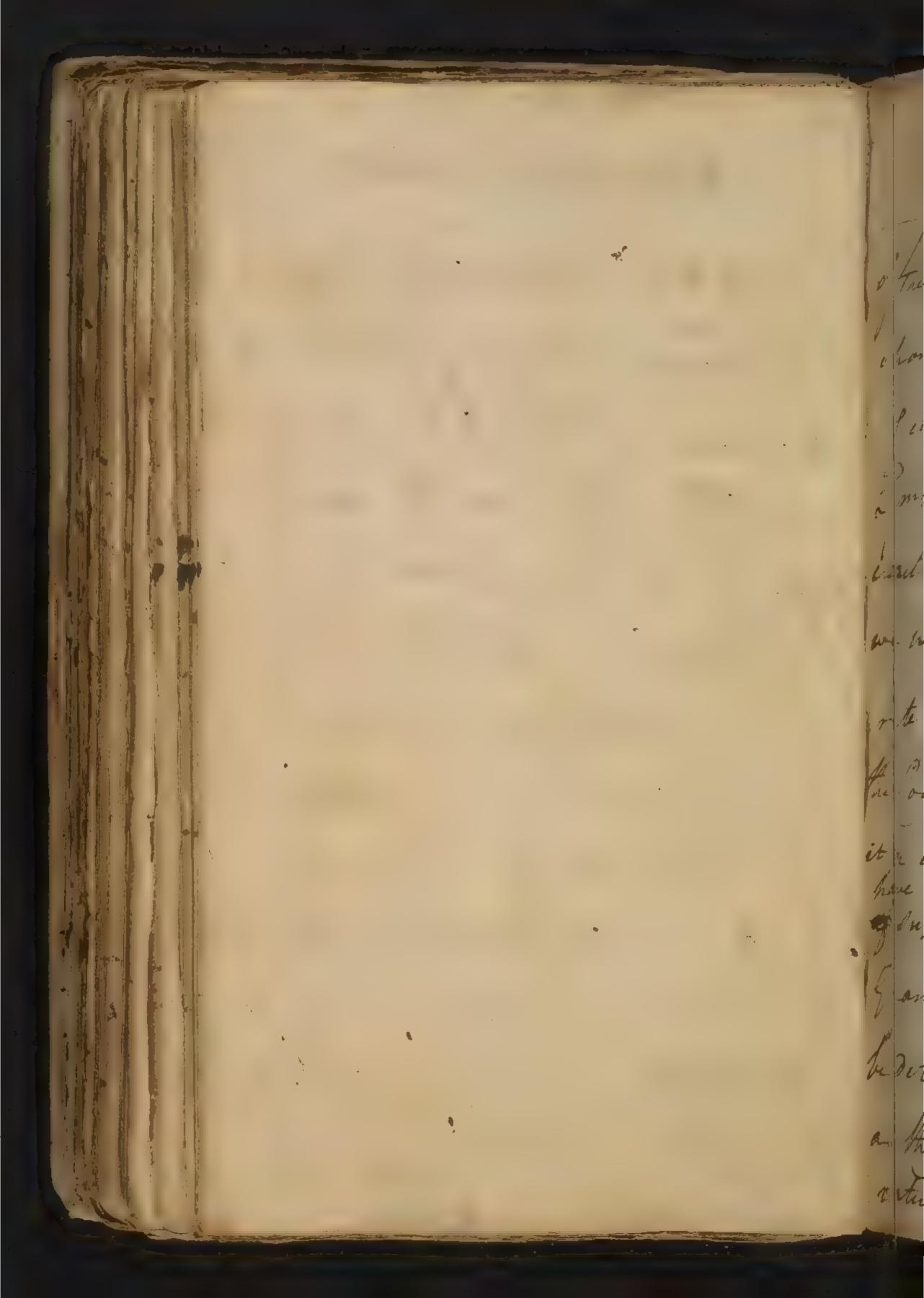


Diseases of the Fleis. 354 Having now heater of the Diseases of the Johns, both Limple It nervous, we shall go an to consider the prooses imote auses of the Diseases of the Thirds.

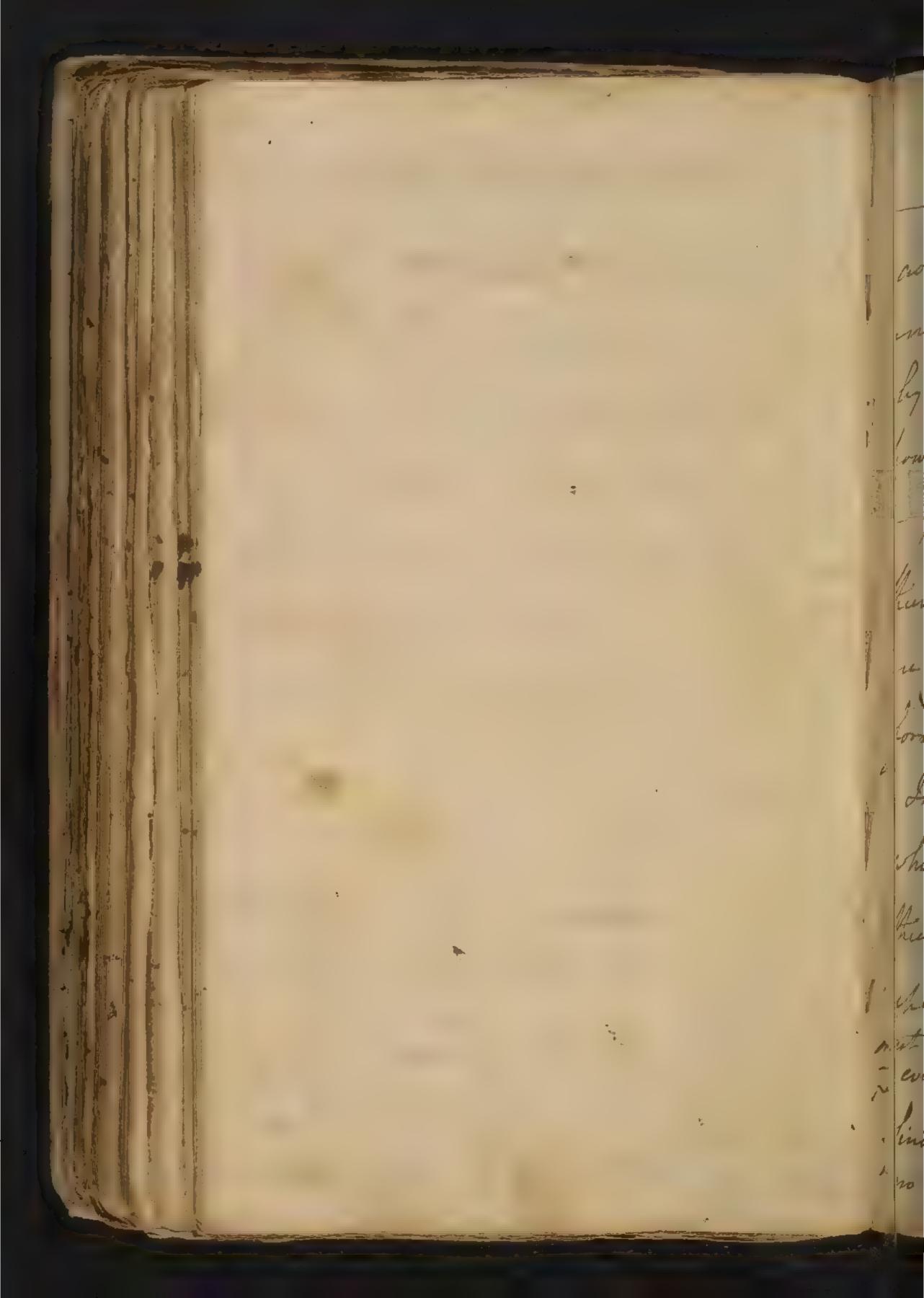
- These was some Limble Leavier Understood than the Diseases of the Doing access of the folist, But hotwithstanding they haveheen the Julijects of the Inquiry Athologists for 2000 geans f must day we know but ving little Wont thein. Ill & thale aim at is have introduced here. Thus will the waybe cleaner for further Discoveries.



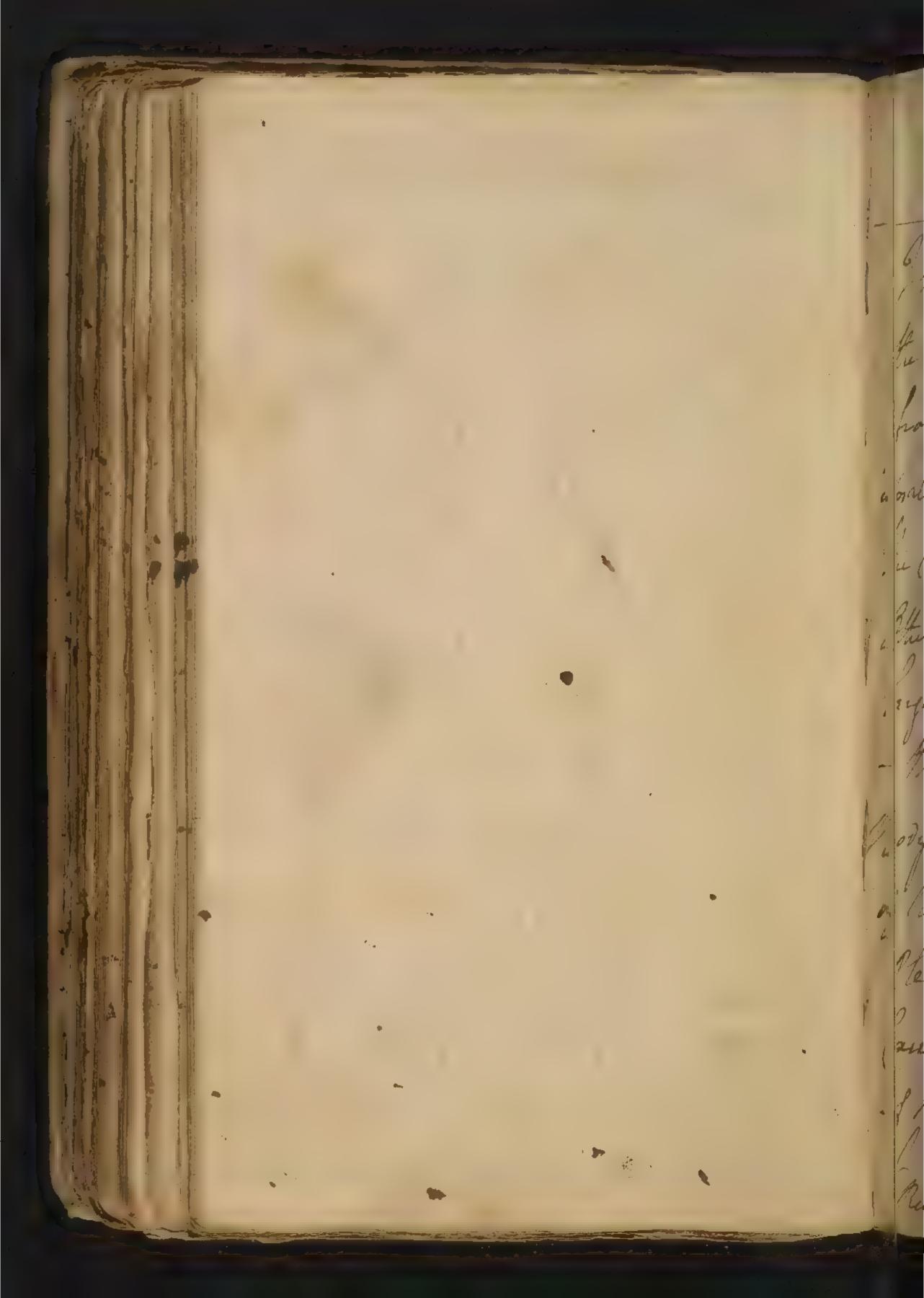
Diseases of the 18-lood Johnall first con sider the Diseases of the common may of Board. These either respect the whole Heterogeneous points of the Blows or the Leveral harts of w: it is comprosed. we shull begin wo the first. The Blood wehnow is of a Univole Degree of Filisidity hor Liquors. we shall begin with comoiding The Izers in bishists or Lenton of the Word - The Consistence of the Blood may Defind 1 our the different proportions of its coustitwent frants, Handron the funality



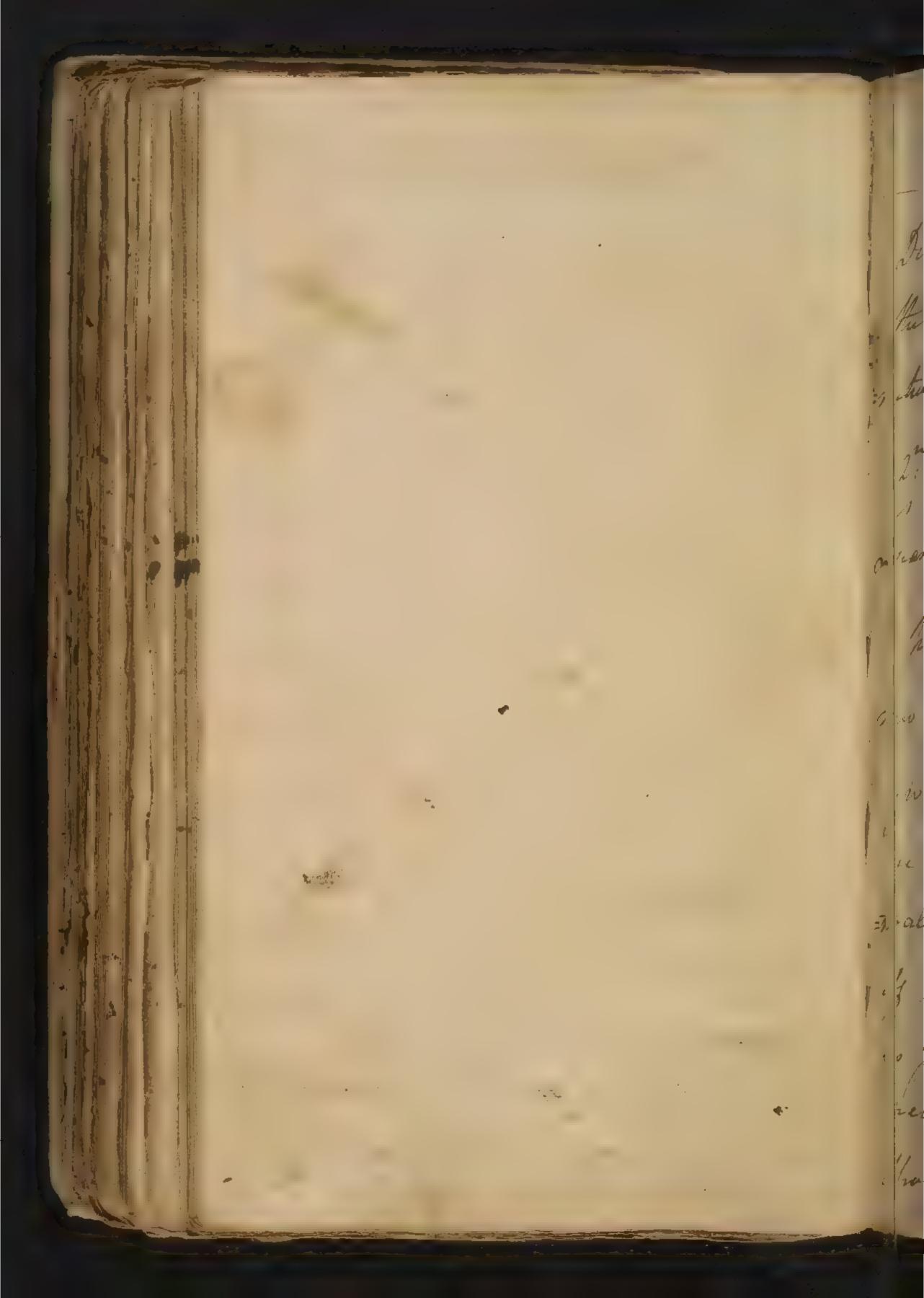
Discases of the Blood of trust parts. Its Diseases will defind whon an Fuerproportion or bad in ality of a Multin Red Alobales or Torquelle Lymph. It is hard to asser town The isact proportion of the lies Globules as we busen can get thim entirely deple rate from the Coaquilattagemph. even the oraquelablety maple too always carries in: to a even tiderable quantity of enum forme have for horsed that an Ince to of the quantity of the Red & loveles Inight. be determined by their precipie Gravity water. But this cannot be Some



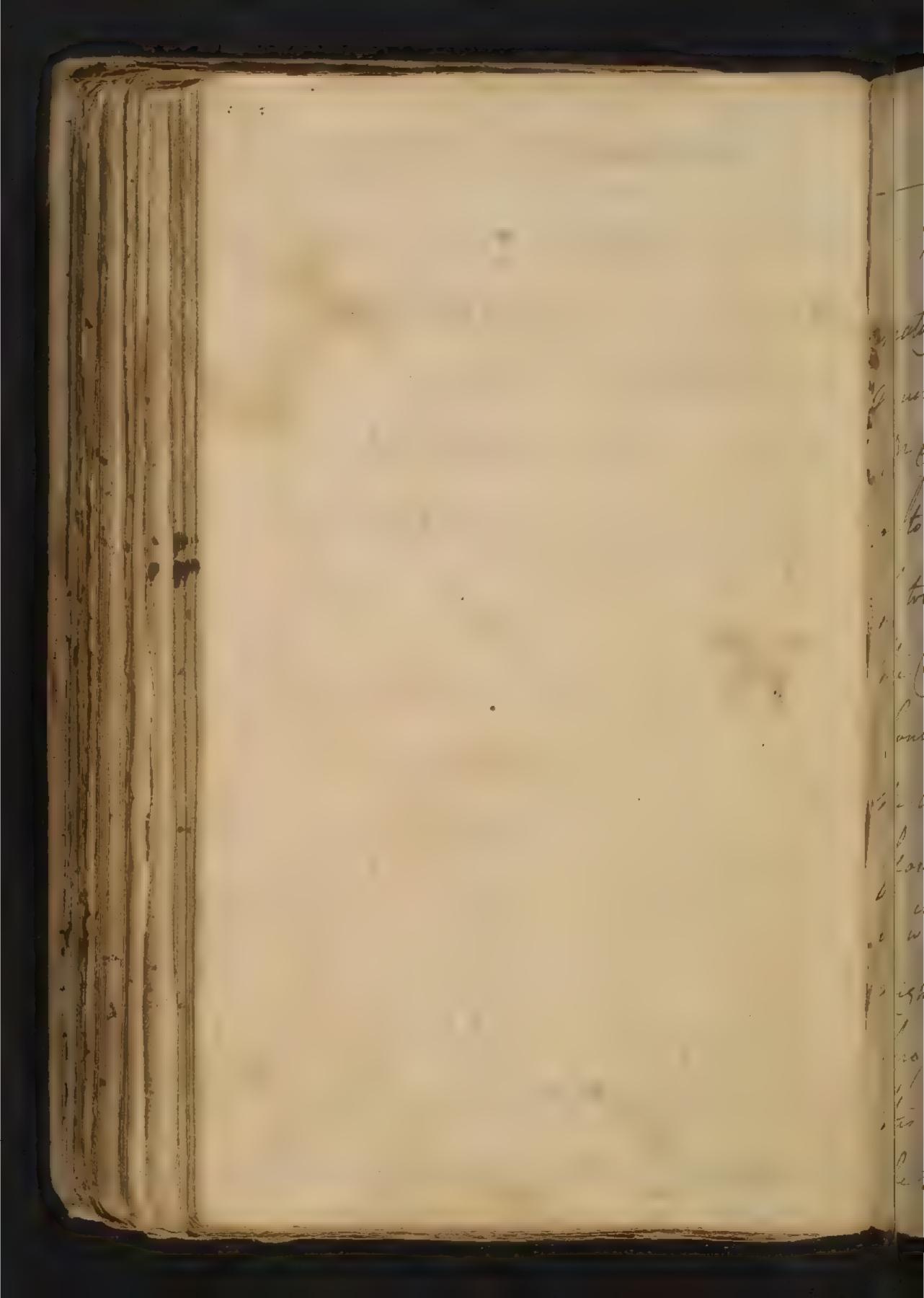
Diseases of the 18 war no we cannot Obtain them in a pune enostate, nor can we measure Them by their Buth as we never can till how much Kalitus enapes from Them. - por ear we form any mogement of This Guantity from their Causes. we an ignorant in wi In anner they are formed, or w: bliment of into them hort. - In general they about most in thou who are most healthy & bigorous do that Then Guantety may in some Measure When whom the howers of a himilation Town this is fiable to trallacy as we find them in the Chick in Boo where no others are Charon.



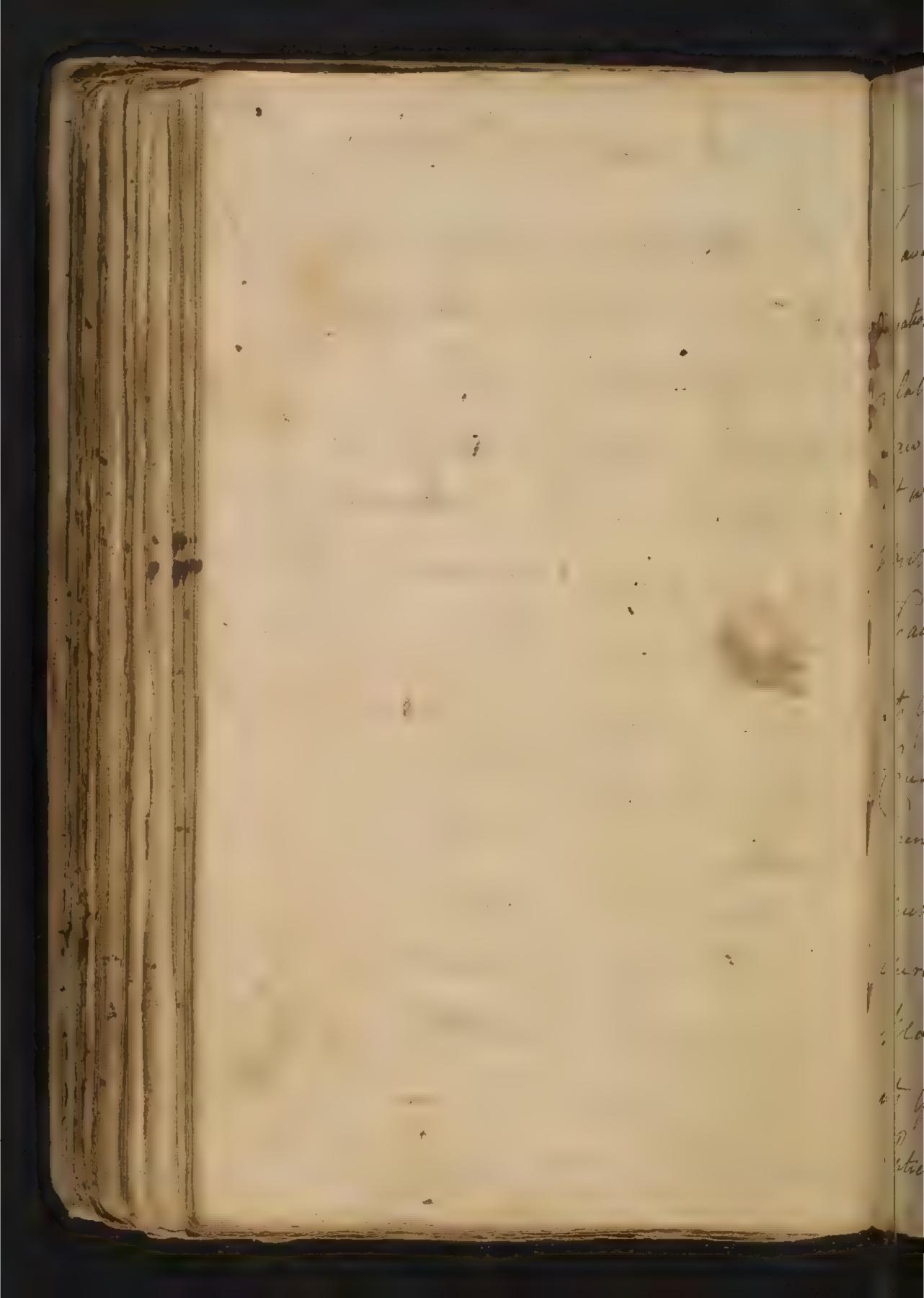
Diseases of the Blood I have here formed a conjunture. all the Fluids of our troop would excape from the Mood: Juliels, however Small we may consider was it hot for The No Globules which contine the Other Month of the Blood as being too Taye to pay throothe Blood: Sufuls. The Fulnets - Tension & Growth ofg Tody then may defend whom the presence of the Globales in the Holood. hence the Ple homistate may be considered as que Cause of an true in the Guantity of the flubrules. Les De Gaubius \$356. Red geobales candispase to Inflormi



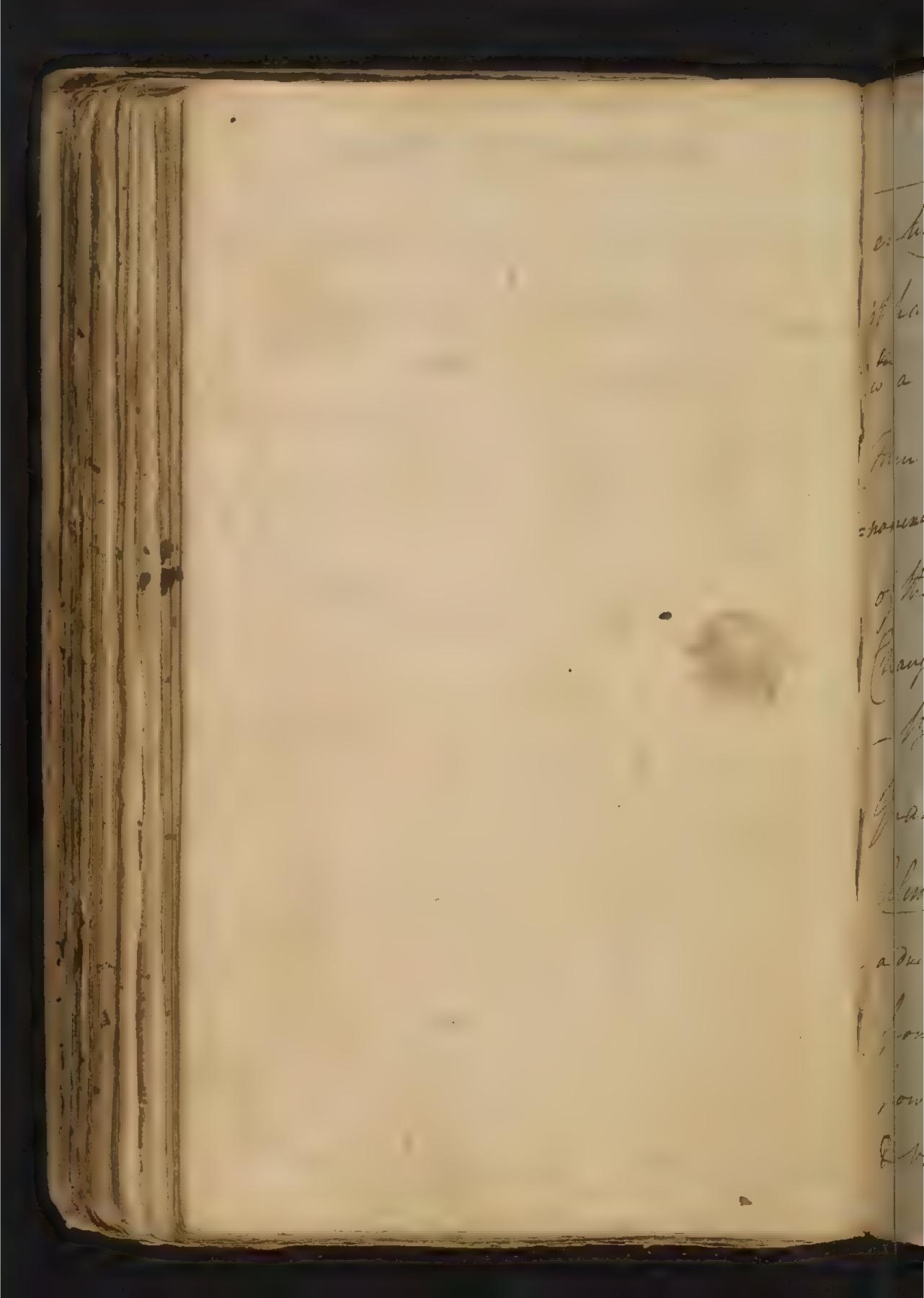
359 Aiseases of the Holowo Diseases. These de hond entirely repon the Methonic tate induned of have no toms neutien withate of the Fillied. 2: lor come now to theat of the. I wan lits or presitable of the Caquelable Lymphon. - now that we judge of this here new Difficulties beaut . Blood: Letting gives us no right in this Luces tien. we are ignoratof the proportion of it will har theral to the Pordy. no Am That & pours of has get attempted it, we can form no surgement from its Dinsity as we never can till to wa despes the from tamous prostion per taken place.



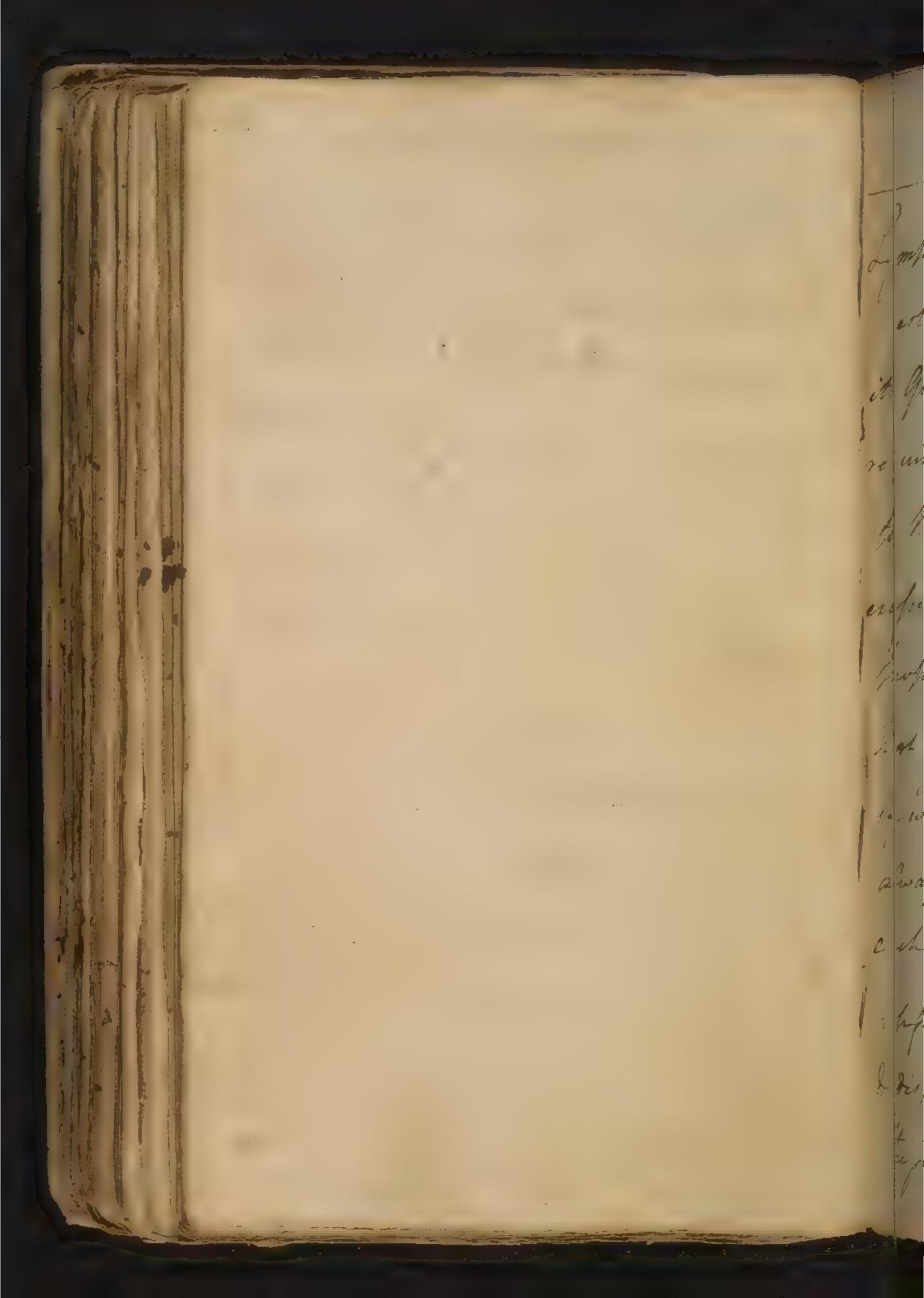
Discases of the Blood - The Wifecarance of w is called In flamatory rust is no left fallowious however much Physicians may inter from it. Iven or Gaubius himself in \$367 has falien in to this Irror. This Inflamatory (runt toto you formerly deprend entirely le pome The Greumstances of the Blood's free ations Tould we measure The Temperature of the Pair - the belowity w w: the Island flows from a bein & the given time in wi Blood always coaquilates, Then we might form down findgement of the Bour proportion of the Congulable Lymph, but this Inherisment has not, how indeed can be tried we any Decisive heurery. We



Diseases of the Fluids. 361 havi many lases of very sudden fon: Junsations of the Blood. Ine in harticular related by flower who tells en hat helime Jaw Blood voagulate in aftream While it was flowing from the Brown of a Man. But formy hast frammot admit these Facts. It they thing will betermine it anantily or pripitude it must be 9. fourer which induce them. De Gauchius mentions Leveral Camer w: increase it Luch as Influent Twee, but then lause Operate and by altering the mist of the Madd & mor produce any honge whom its quality. I have dun an Uniceptic Patient bled Am Day of found his 18tood



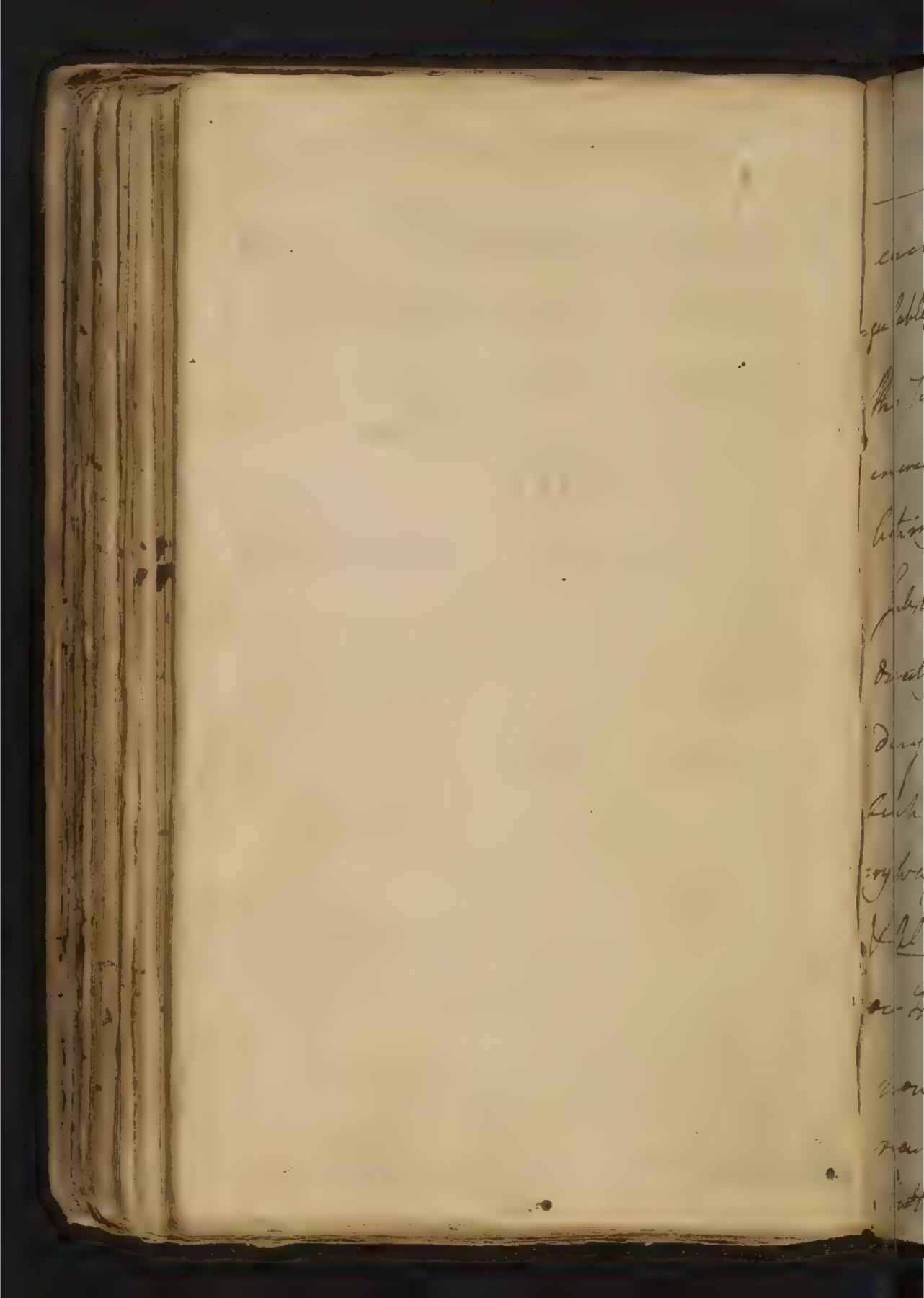
Diseases of the Arlows 362 entirely Distolved, & get the Day after it had the affuarance of hatmat tolows w: a considerable Buffy Poat. Think them we must always refer the Shoe: nomina of the Mood to & Circumstances of the Circulation rather than to any Phanges in the ha ture of the Polood. - But Other Course to influence The mantity of foragulable umfel particularly a innest especially when we are to their a due Deque of Vinjour en the afrimilating from for ving mons afrimilating power alvayo give the denseit Fluids Utree verra. The proportion of Coaqueles



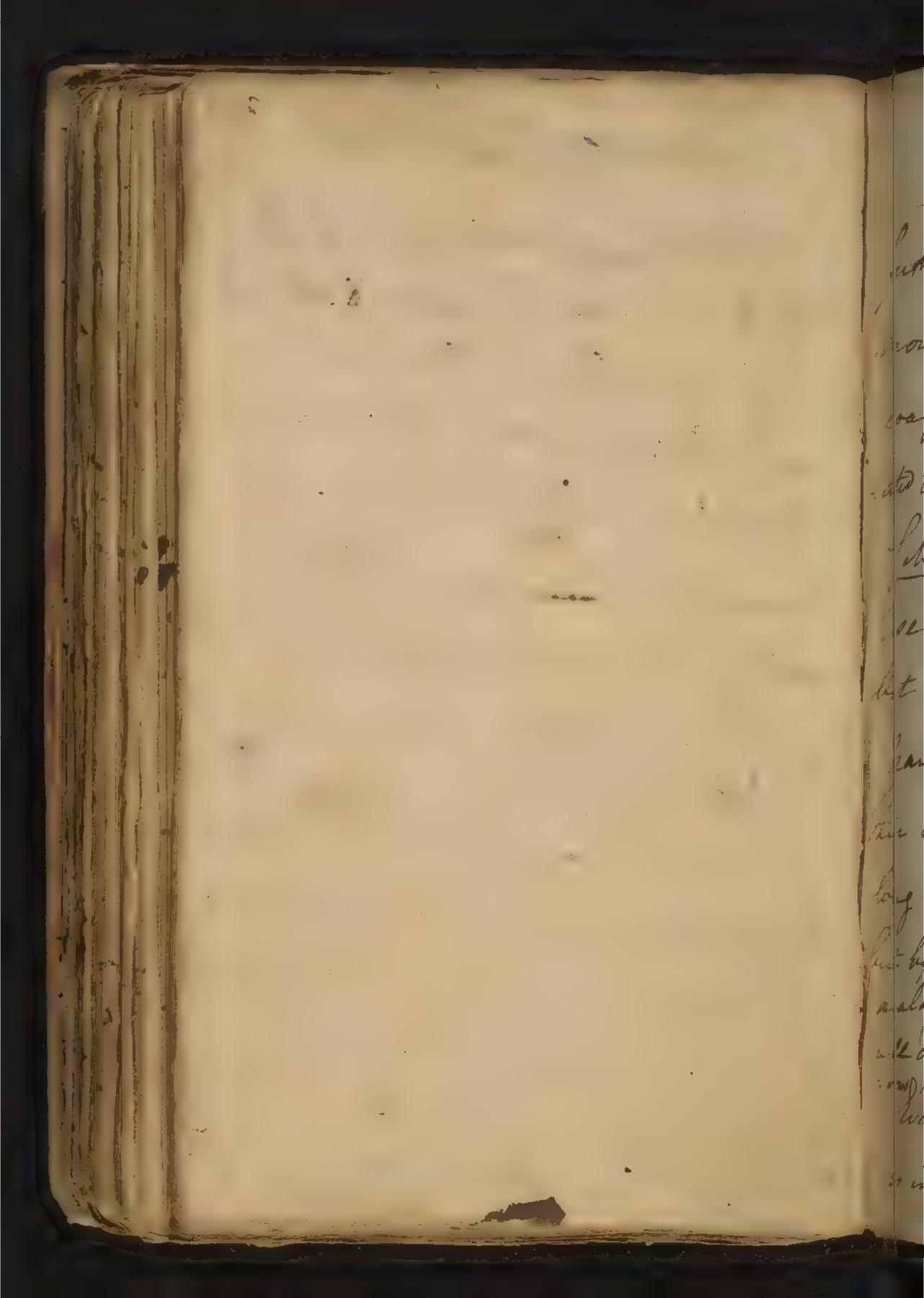
363 Discases of the Blood Lymph is enemeased widife. we cannot ertablish the Presence of Diseases from its quantity or quality, as difficult men require diffirent proportions of it acording to their manners of Tife. When it is exceptive in Guantity the slids bearing proportionallying is I then resist any Discares that might arise from it, It vicebena ly w: means the police, & relied and always kept nearly in a Ballame to each Other. But further another Source appears to enere ase the longulabletymph He Disposes it to be quickly Diferhed in The firem, do that an morin the

(a, By this Means Thon morbid Affections w: might arise from an increased quantity of Lymph in Consequence of animal Tros are constantly about ated big by thequis seals in foliation of the Lymph in the firem.

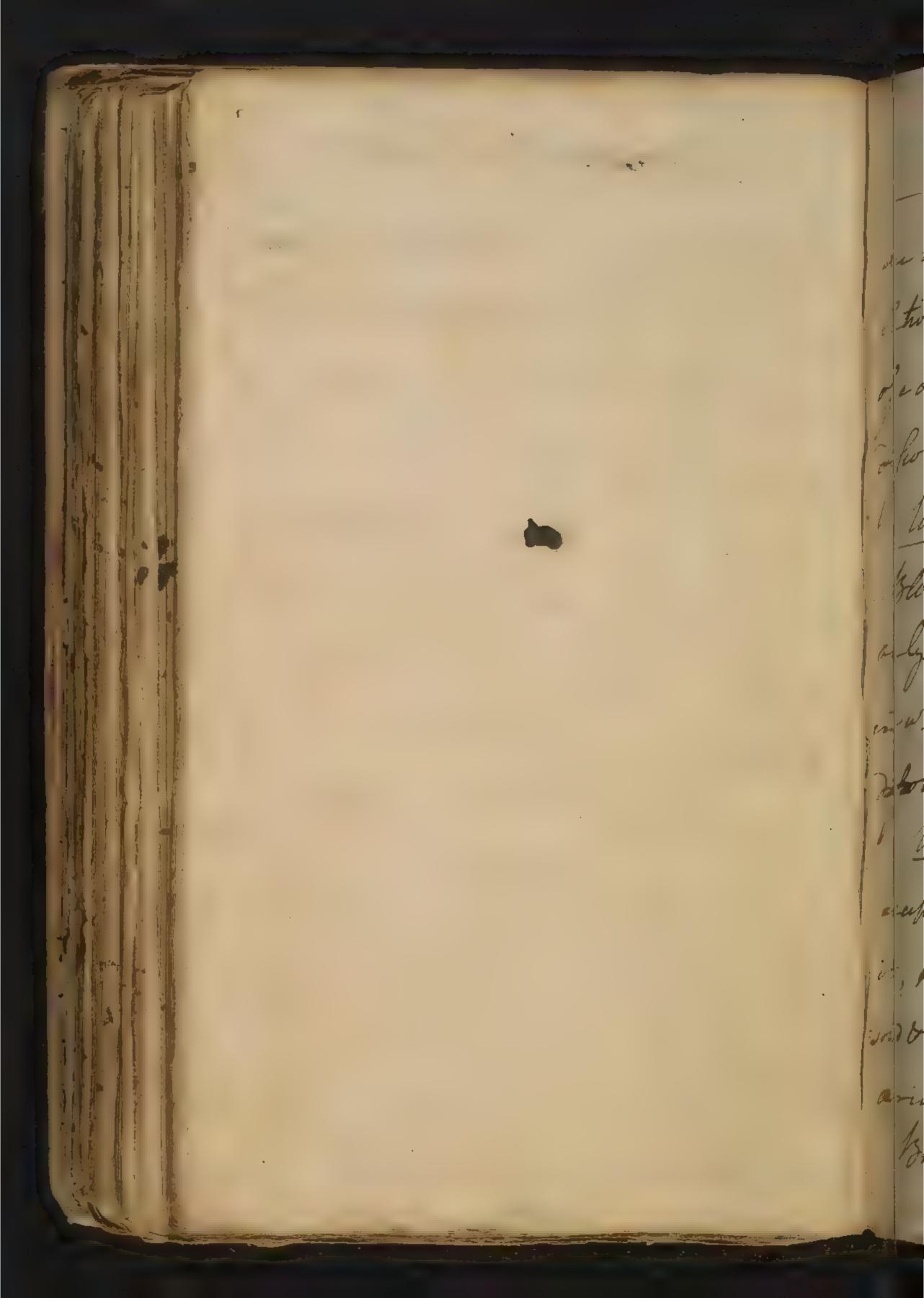
Diseases of the 18 low Muality of the Coaquilable Lymph may be de vived from the exceptive has of humal orono - here we find thouthe live most on animal Good are must dishow to putrid France. (4) and But her In fring the a aqueate Lymph was ex, caline, got such is, its from of entan non la gling lowthe the an it would down news a drefficient Bu antity of it to mentione the In show how it mught to hear to forward, and the by love . 14.1 Rothora then can lendy be induced by such an affection of the Lymph. I not a me : timatural This tride. fulrtanas La vifie ha ture gives an



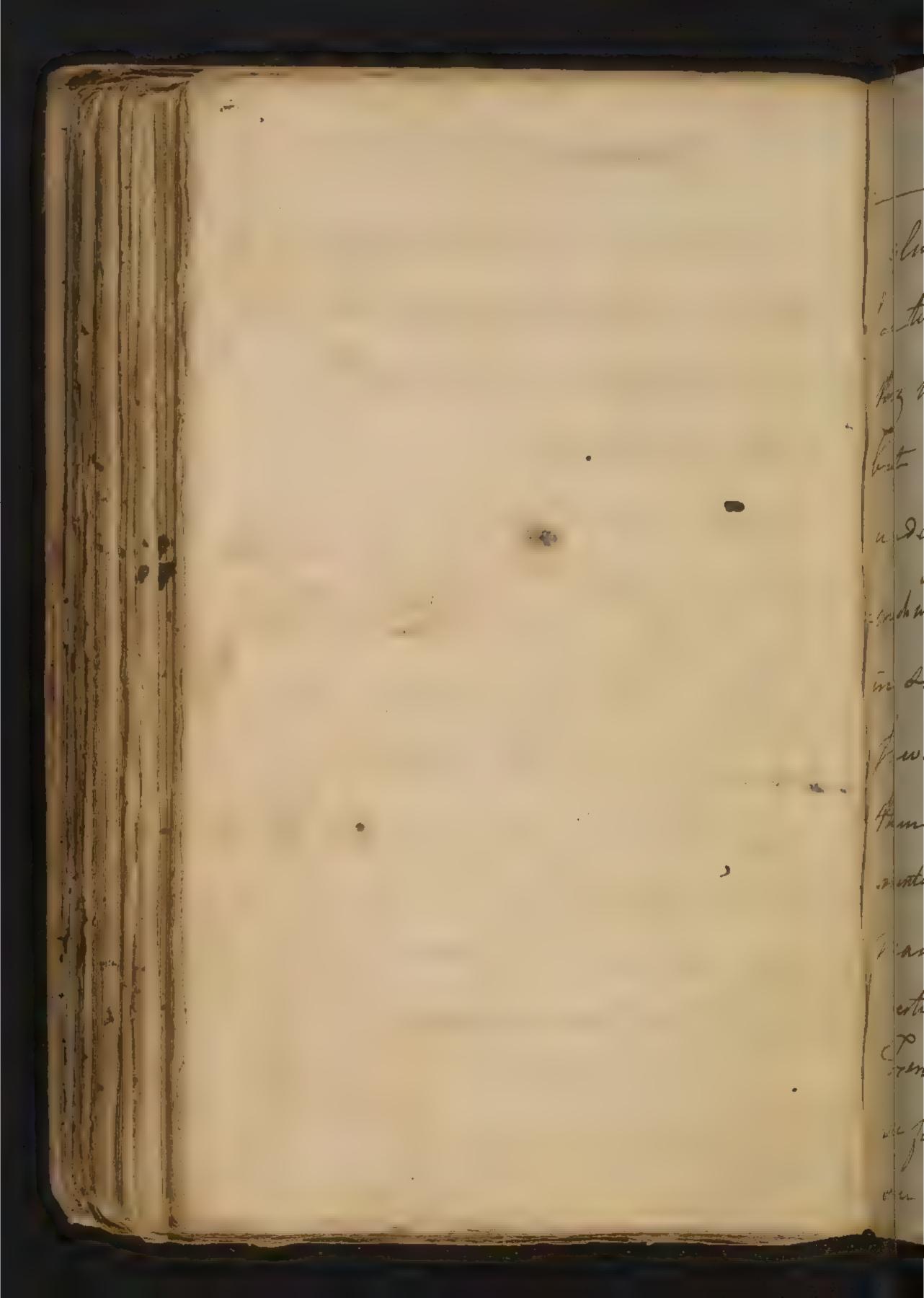
365 Discuses of the Alord encrease quantity & Density of the joan gulable Lynn I. h. Lee D'grabiles & 367. Whom this July at, where he fitter butes an enemare Density of the Istord to certain attingents & prinitions whitances. There Julytanus have Lieve duch Ilfuts When directly injuted into the Island, but Dury their being able to broduce any Such Iffets when to her in in & Proins Try way mised w: aun Wiet. wen build Hallohal are capable of coagulating our Flinds ong in a very concentrated flate, now we are dune this never can reach the Blood in any other way. I but in the most diluted state. The



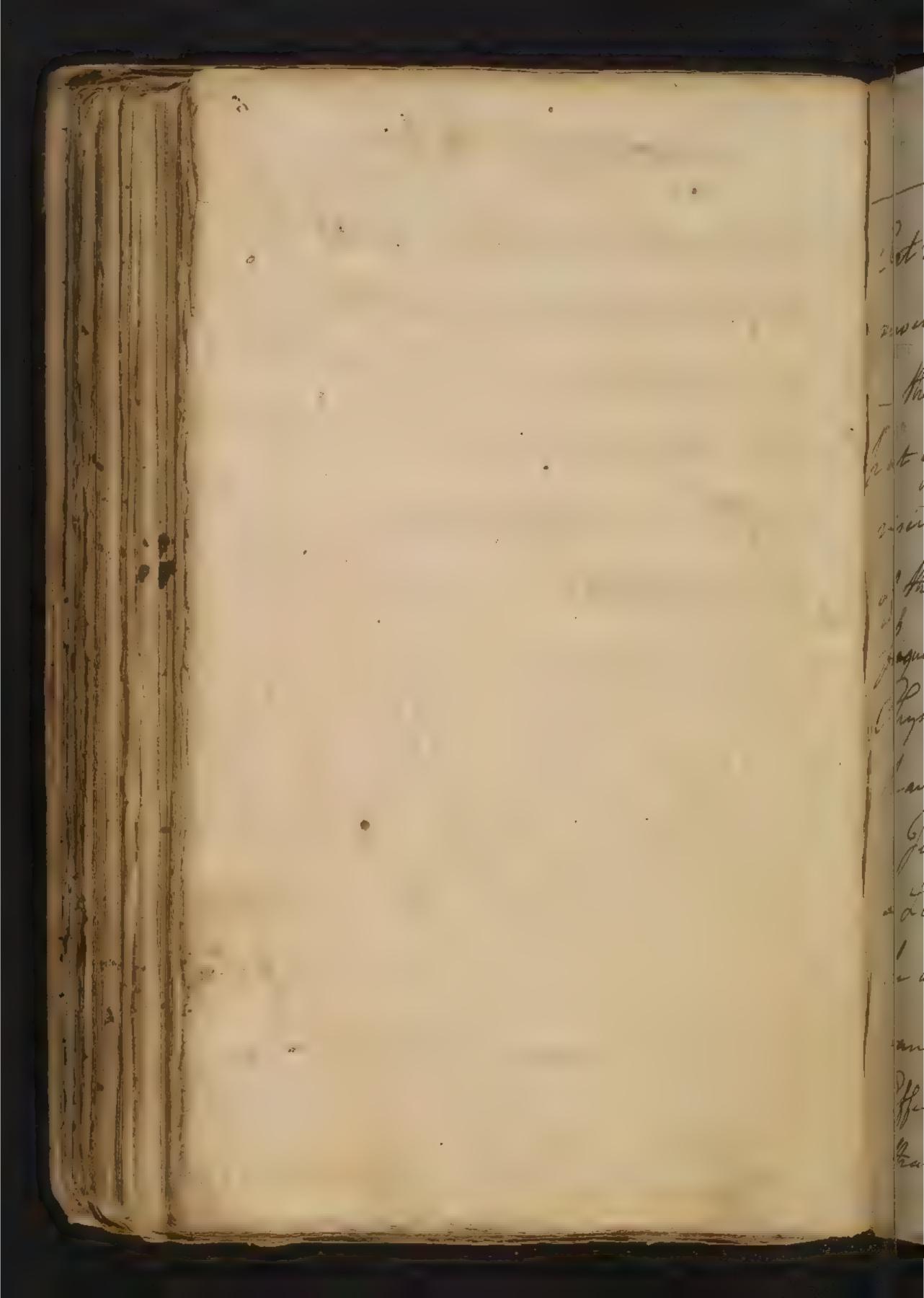
Diseases of the Blood further they go in the prima trice, y more this become diffuse, & Altus this coaqueablethualities are entirely Bloi. - atid long infore they arrive at the Blood. Thim have han attributed to the We of thirst in some of the brieva. but this whire depend rather whom? pareotic power of the Hints Than Whom their coaquilating the Fluids. The ium has long hem dulphones to Hunate ong Filians but by long labit it hoosees Het exactly analogous to Spirits. its Operation thin as well as that of Spirits is confined any to the his: Even River when wom bined w: Anetalo as in Corrosive Fullimate, in w. They



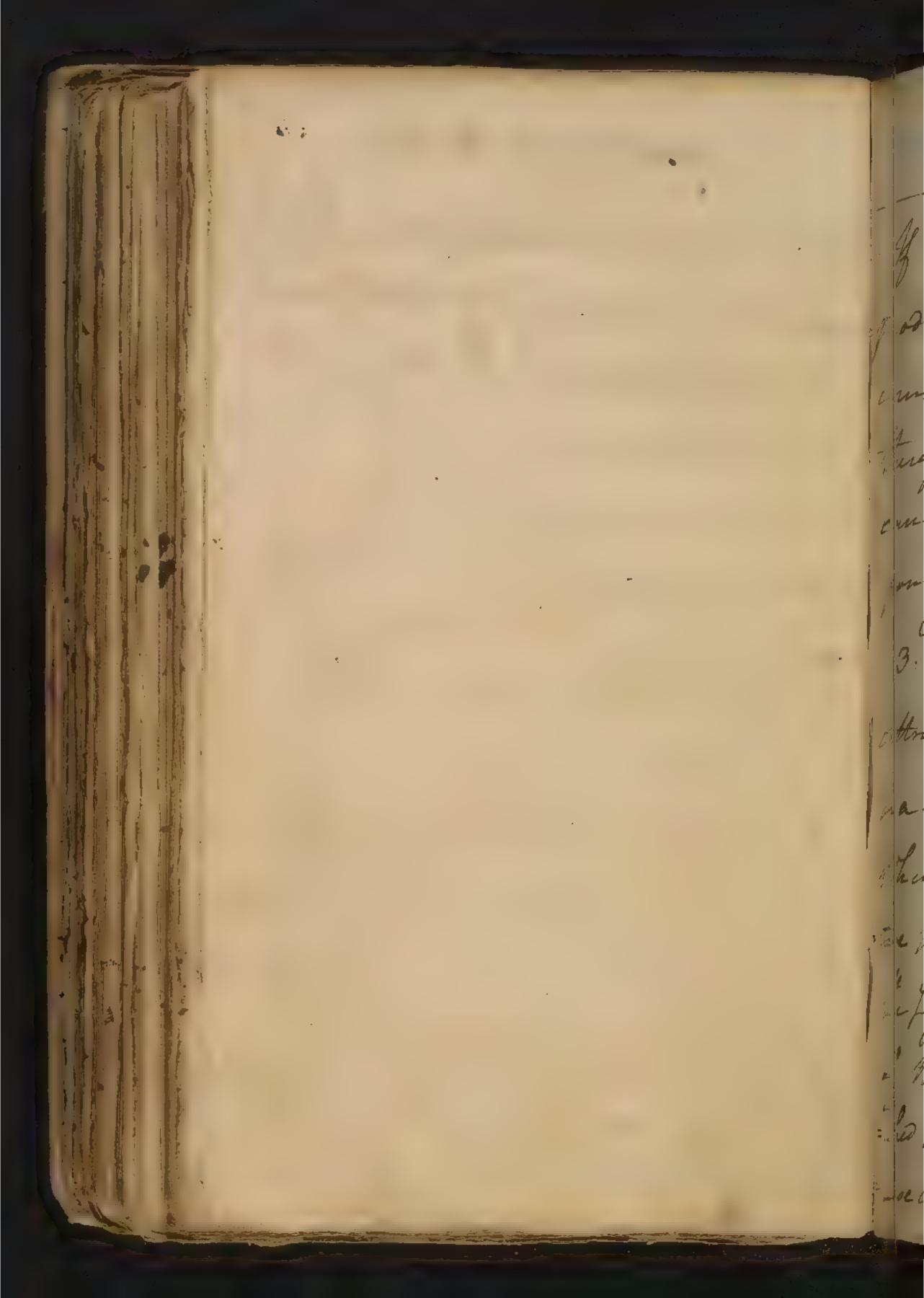
Diseases of the Elood are most cuncentrated excite polithing action but that of timulating, Vinstead of e a gula: as fine Suppose they rather de feolie the Theirs. lacti cannot center into our Blood except When Dipoloed, It theory only be difrohid into be daline From in which that they rather thin han The conquelate the Island. begitebles cannot leagulate the Blow except de Abrorbing the watery hart from it, this this cannot do as they are dit. who or their huture changed before the arrive at the bylow But withall we say to vified



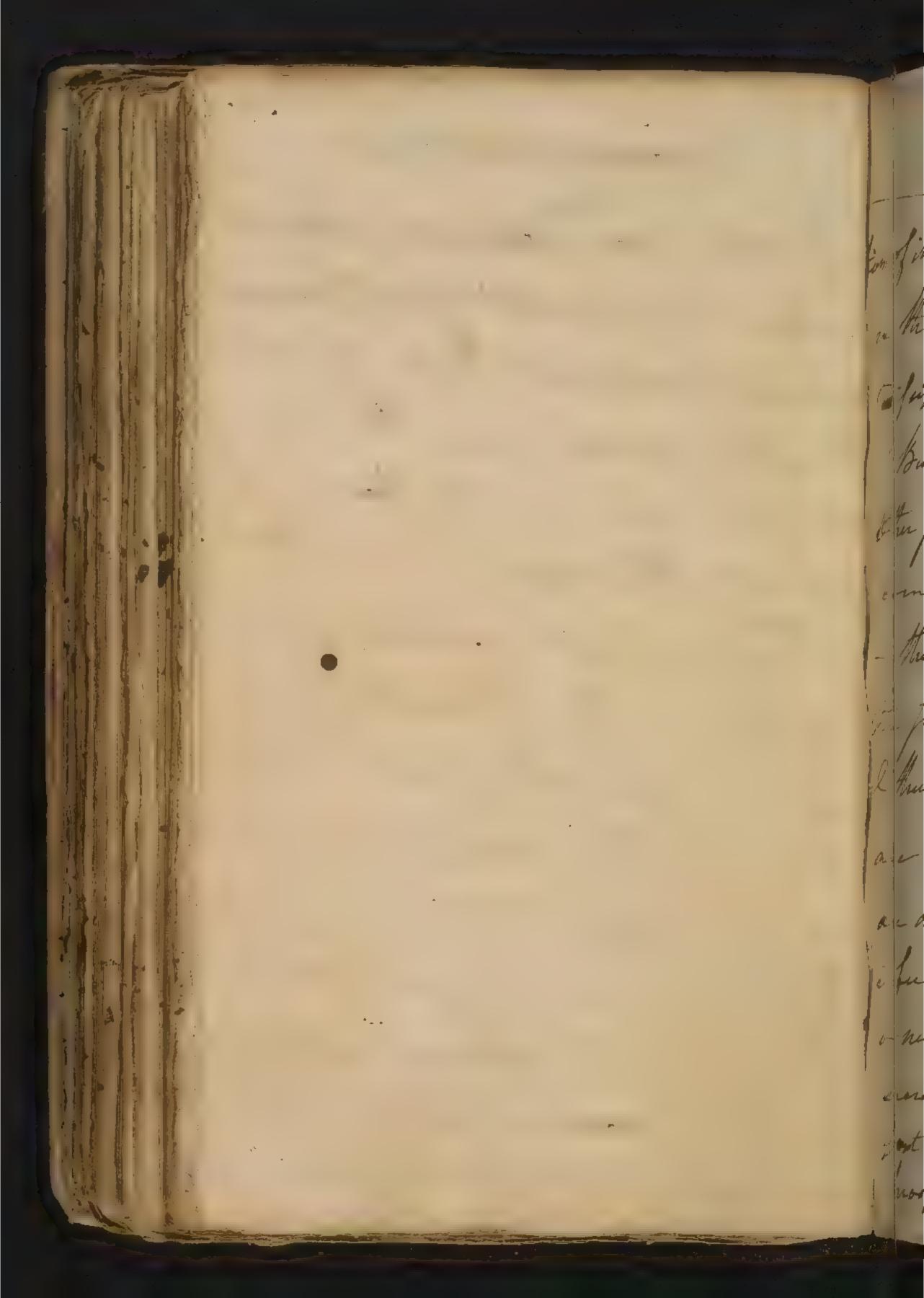
368 Diseases of the Polood. glutinous aliments? Could thise enter into the bylow unchanged, they might produce a Lenter there, but we before proved that all aliment undergoes a chermentation in the tomuch w: loosens destroys their Tex tune. in such a Manner as entirely to prevent any morbid Affeits from Ahum. lefter their undergoing this rese mentaithing are again Diffused in douch a manner as to have their bifulity Dertroy if any should remain a think Francentation is owner. But fur them, we find many Tyamples as ownoung our l'ensants who live ou un firmented



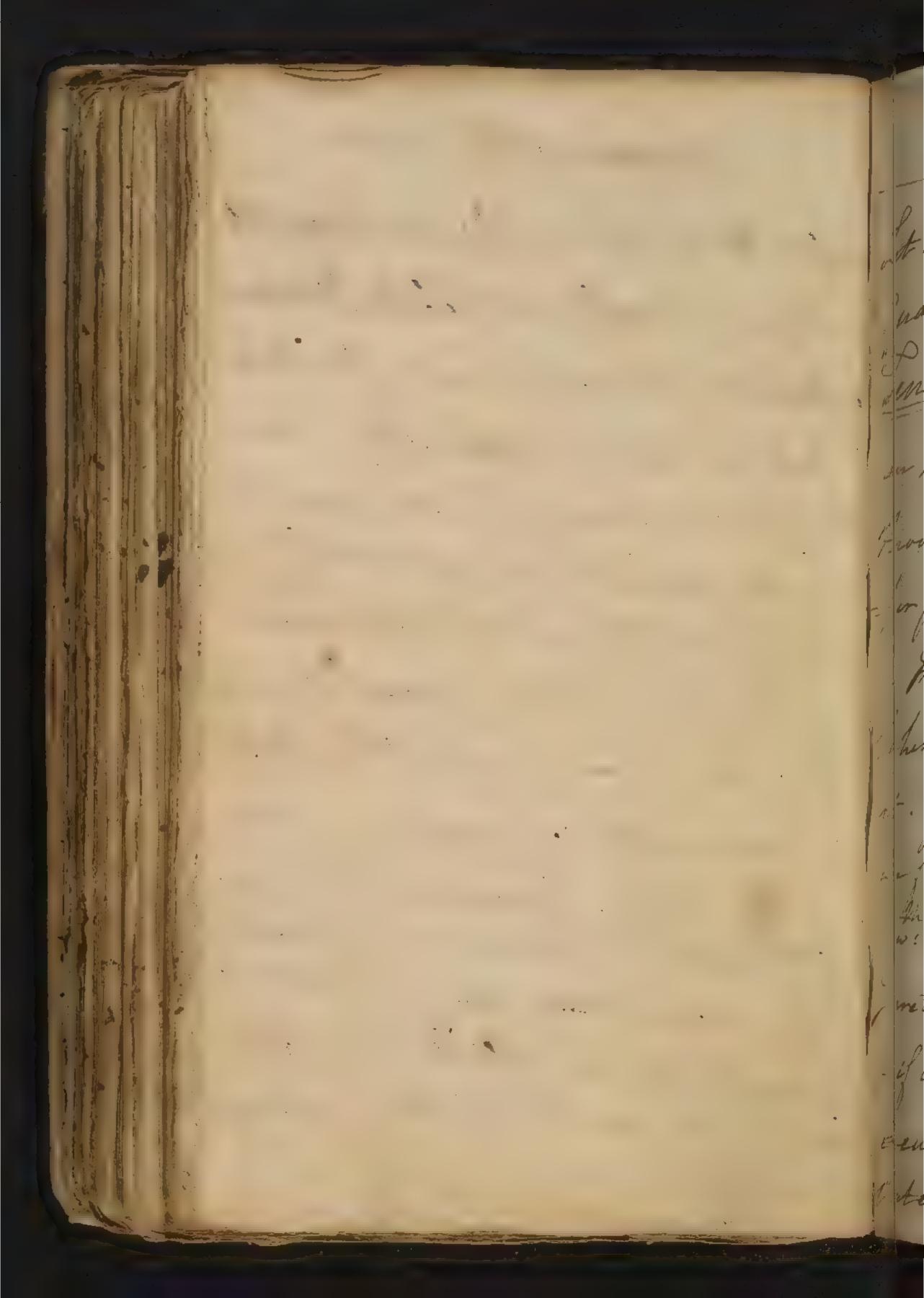
369 Diseases of me to lood gat me al, & Met there Men: Blood; nun discount any Mian prof Viscodity The irazinawa make the preatest ant of the Diet of Manning. Morning visind lumors were the Consequence of them we should have them more fraguent & reniveral than were there. Mysicians who maintain its Presence la are affirmed. Sundade then that the Tristence of a Lentor, or furturatural pripritude ina he a polible fase, lust we haver can infor it from its tourses on Effects, nor do Ihnow any Jymptoms that will wer indicate its besume.



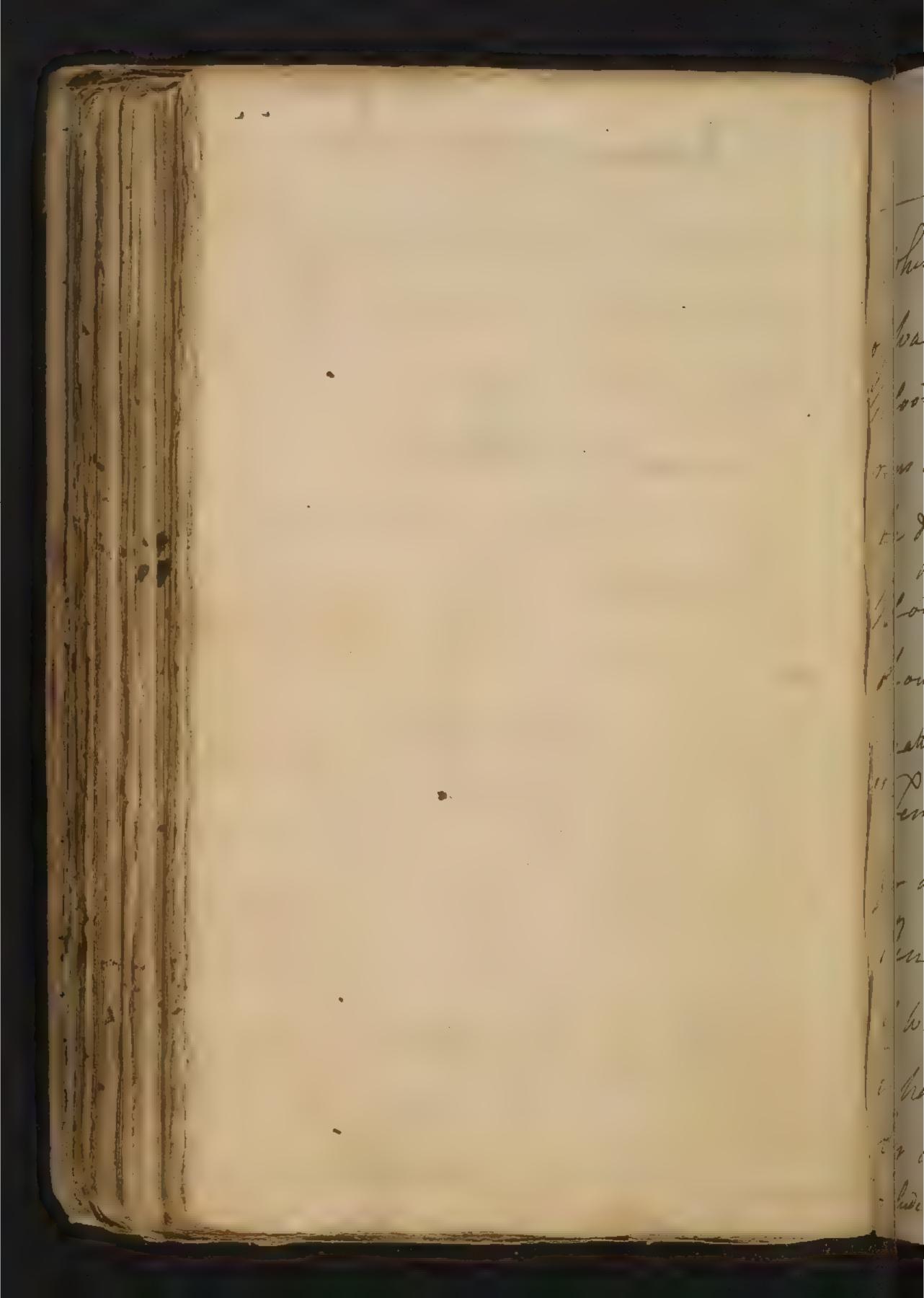
Viseases of the Blood Hit con does place it ought to produce mon duasful Iffets the on are commonly attributed to it. I would Therefore advise you to be very you will often meet w: it in Books. 3: a dentoral the to too has been attributed to the alyhantron of the watery hauts of the Blow. But When down this take place? hur-· ture has wisely taken lace to heep The fystem in a proper Ballance. if the Guantity of forum is Demini. : shed all the serous fecretions like: i wise con deminished, hence an Cumula.



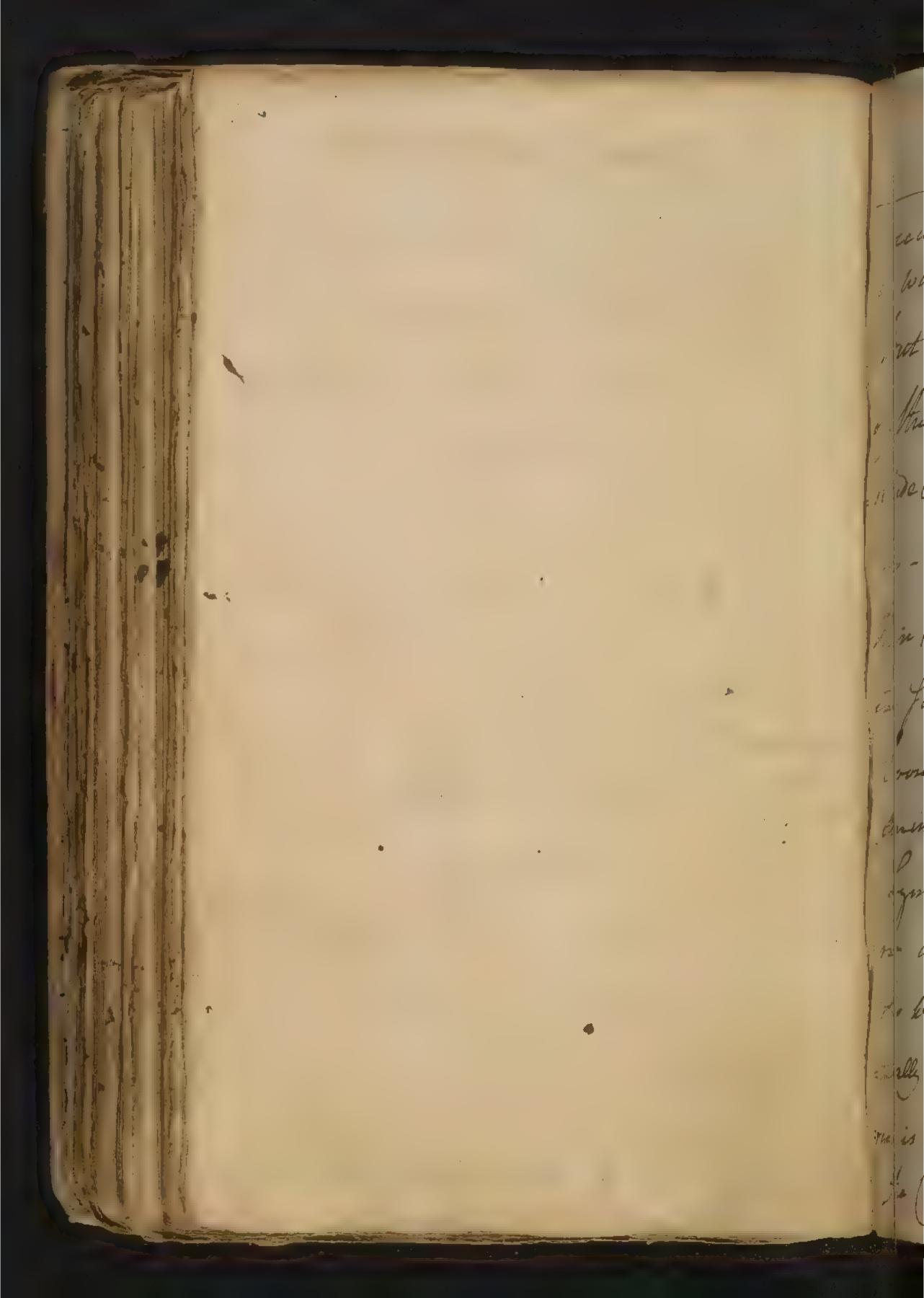
Diseases of the Blood. 371 ion of it in the Body. Di Bourhaue tette us that Judoisfies & febrile Disorders Difficulte the watery parts ofour Blood, But we have no proofs of this. Some Other feretions must be stopped to compensate for the Lefs of waterly west. - The Heat of the islands too encreases The John bility of the Co-agulable Lymph It Ames the serous points of the Bolood are regenerated in proportion as This are dipipated. From all this fa. infu that the Fluids are seldown or never diseased by howing thin density eneraced. It is a profible Fully. Jamy port of never saw it, nor do I provo and proofs of it.



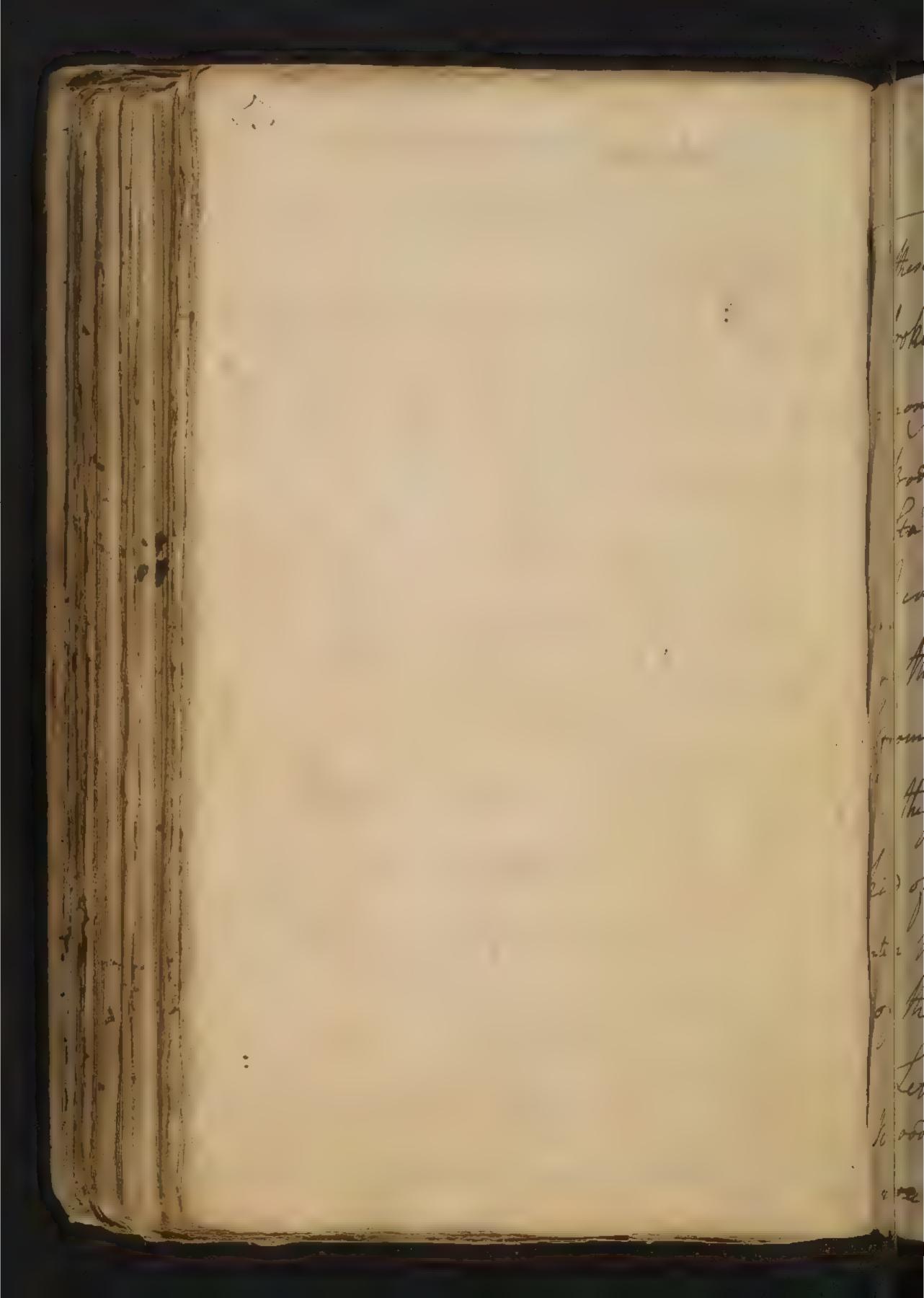
Diseases of the Blood. 372 Let us wow warson the Opposite Gualities of our Thirds vin thin cenuite. This may depend when an more and Guantity of water Foroun in, or whom a want offmo: - fur ffrestricke in thim. - His very hard to tell when & first Takes place. ha time wisely prevents it . if the quantity of water is encureased we find the feere nows proportionally enemand, De it if Perspiration is Hytheuted the mortion by horine is always enereased. - if a Femuity of our Filians even does oceur, it mus & depresso on The watery Jeenstians heing Abstracted, but



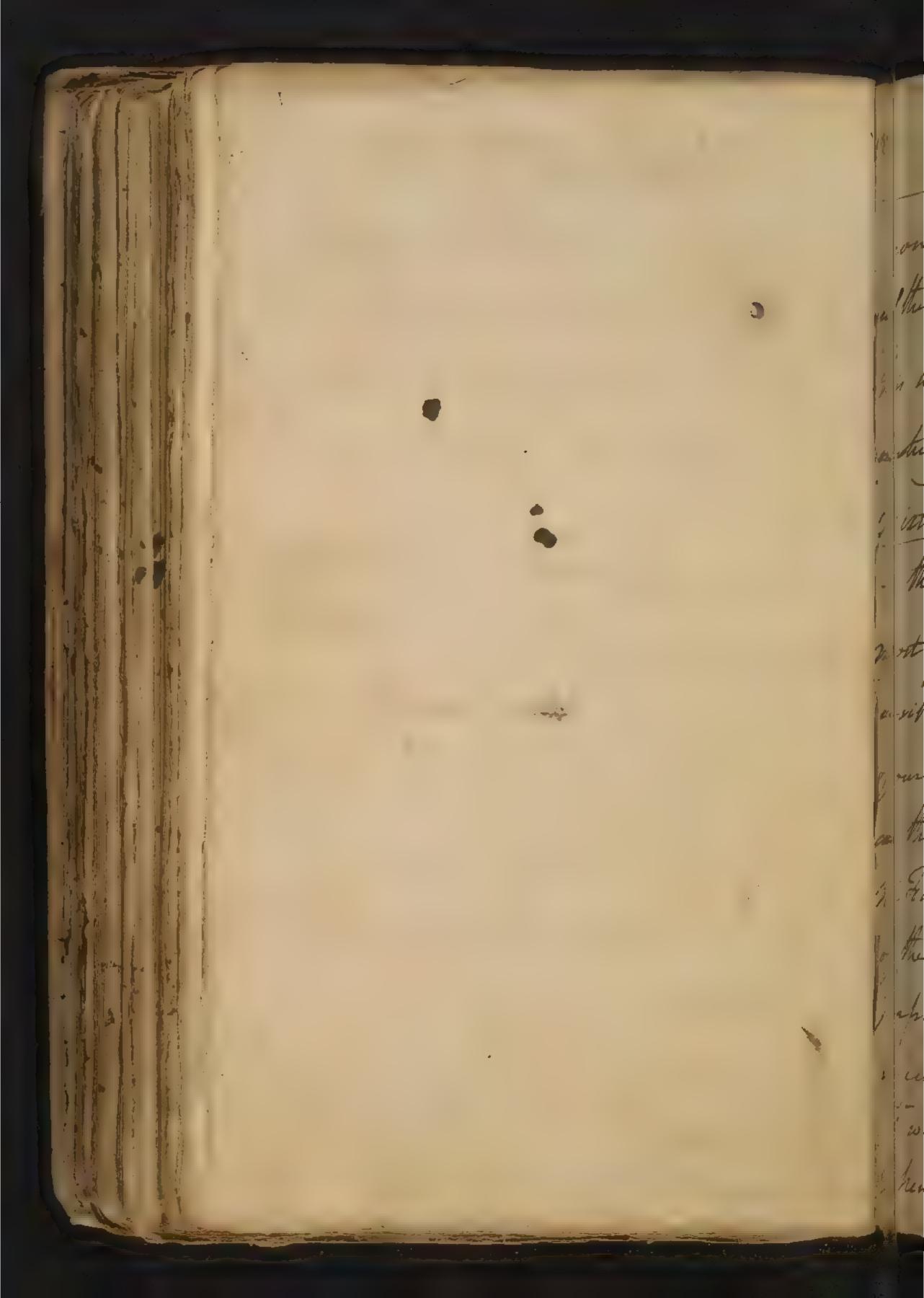
Diseases of the Blood. John this happens the quantity Nation is still not enemased in our Polood. The Historieted water always runs into same moity of thus produces The difficult precies of Dropsies. The Tood of dropical Patients never Thows a greater proportion of watery matter than wis hatual to it. the Leminter agune may take place for a few minutes as in the Johnia Runalis When a greater quantity of bester is thrown into the Bood from is butural to it, but this is Heriated by an energe of Infination. from - clude them that to make Finality never



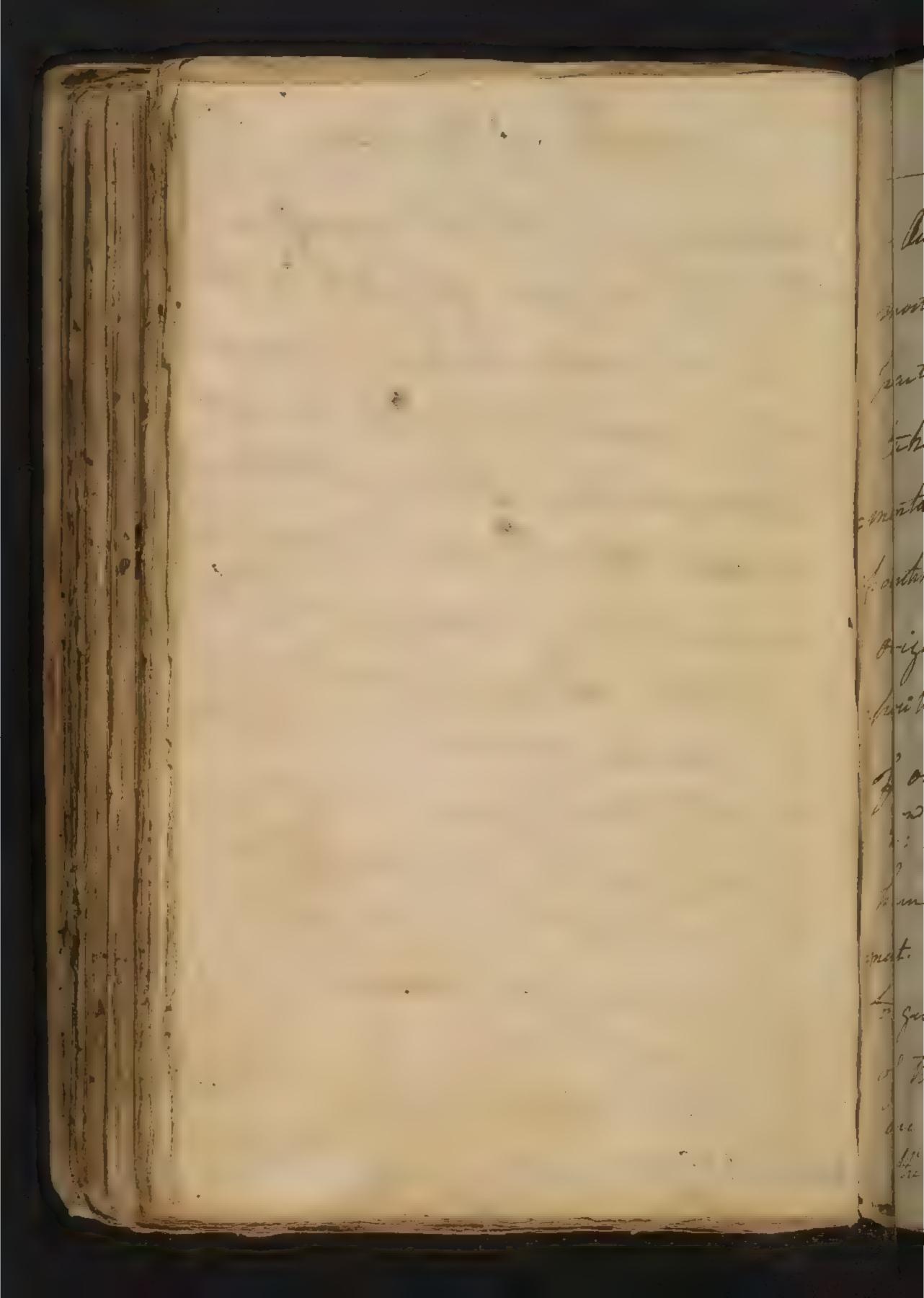
Diseases of the 13 lood. of water in it. But so not the ardinarily thick parts of the Molood work their hatinal fligt vitude le acquire the Tennitas Aqueria? no - when they become preterneturely Thin, their Genalities are altered, as in for buti Patients, and they Thus Love thom properties w: constitute them Animal Flinds. in those Cases the Congulable Lymph blone is altered in Luch a man. ner as to unite more neadily w: leater in this way any the Notowo becomes preterns twally thin, as this Union wi water or for rumis always the Matural Tundency of the Coagulable Lymph. The Bloss in



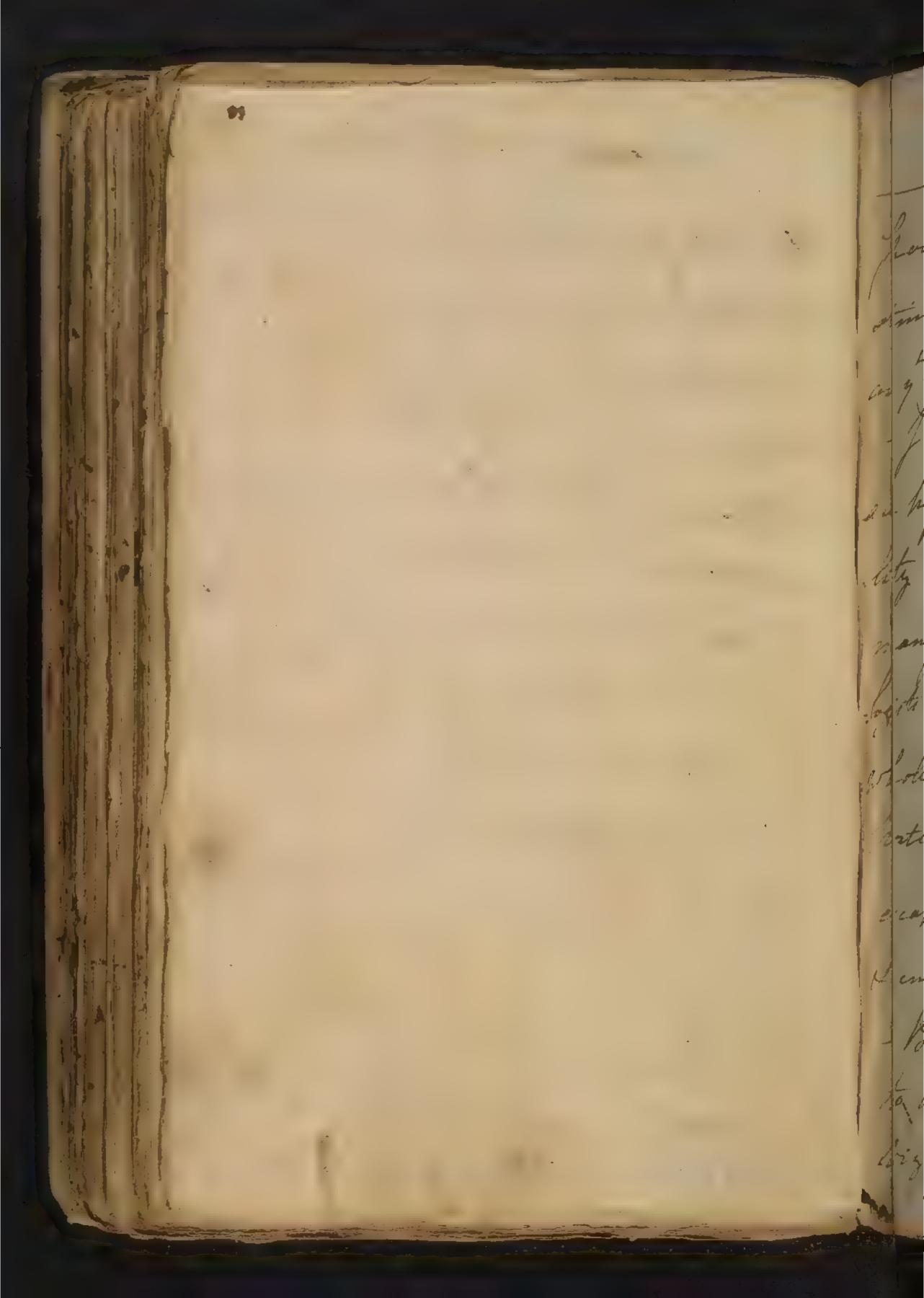
Diseases of the Blown. these Cases big: in Toobute Patients is broke down. His we prove from its line : many & from its Escaping this parts of Body w: refuse ita pafeage in a healthy Fine lude then that a morbid Finisity of the Blood may been in home Cases from the Courses love has have mentioned. The Jinal lance of it may be because of lind of Ferruits is life dangerous to the Typ: tem than a morbid phifutide or Linton Let us now, into the Changes w: y. Blood undergoes in its flikelitels. He we were to be wished here we will



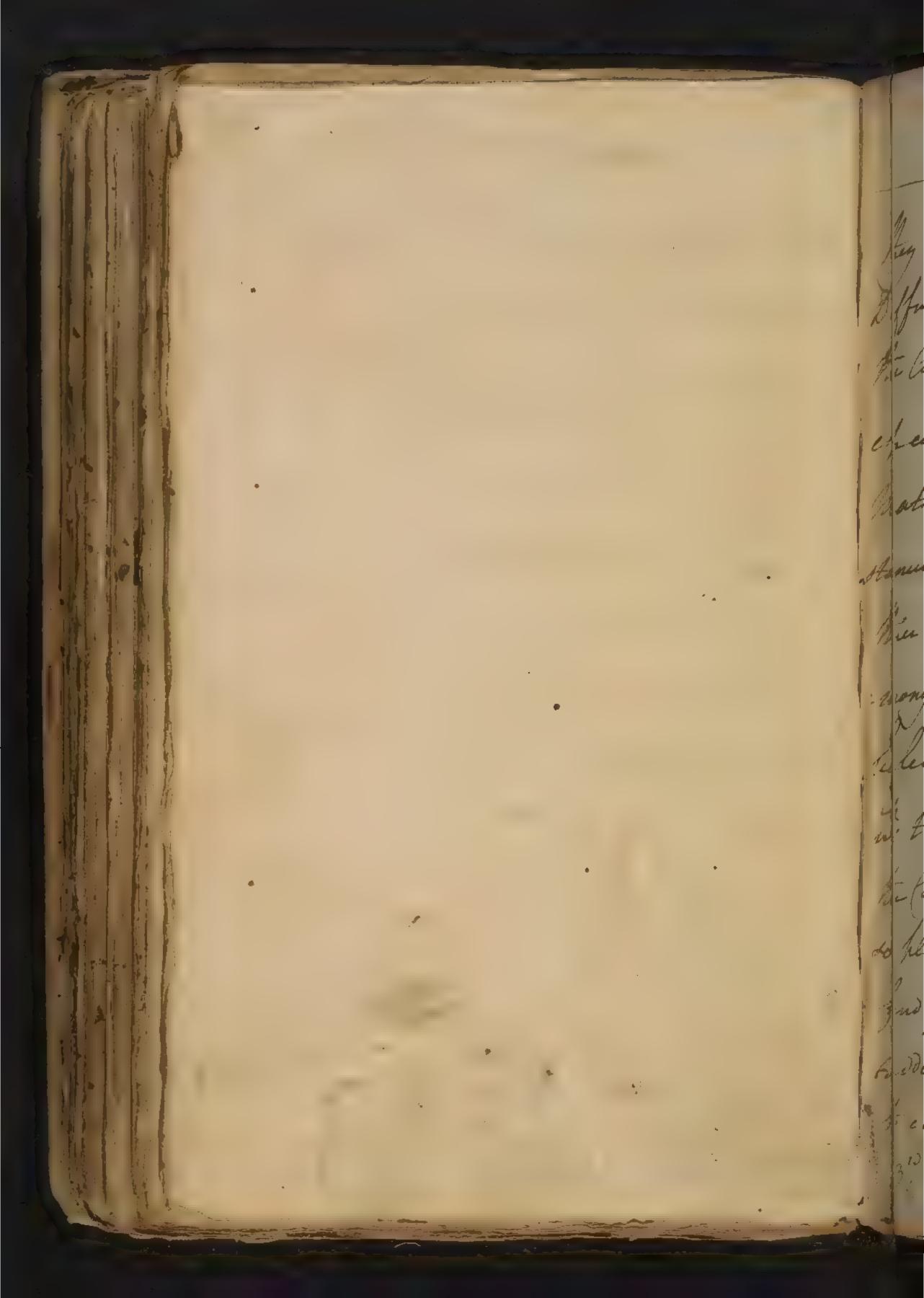
376. a iscases of the Blood conduceed reporthe Thangs of each of the wentponent parts of the Solowo, but This would be a Difficult Inquiry, as we con entirely ignorant of the true ha have of the Misture of the Leveral harts of the Blood. - the Coaquilate Lymph has hum accused most of deciating from its brainary bland insipio fate. Lapid or saline state four Filiers has always heen considered as the Buly Morbid Cases of them, & hence The Foundation of the Much white of lusimony of the bolood. as this is a duestion of is prahortance we shall spread some time in conquiring into it. I we shall Observe the are hasture has a hen to abriate lecremony in our Filmids.



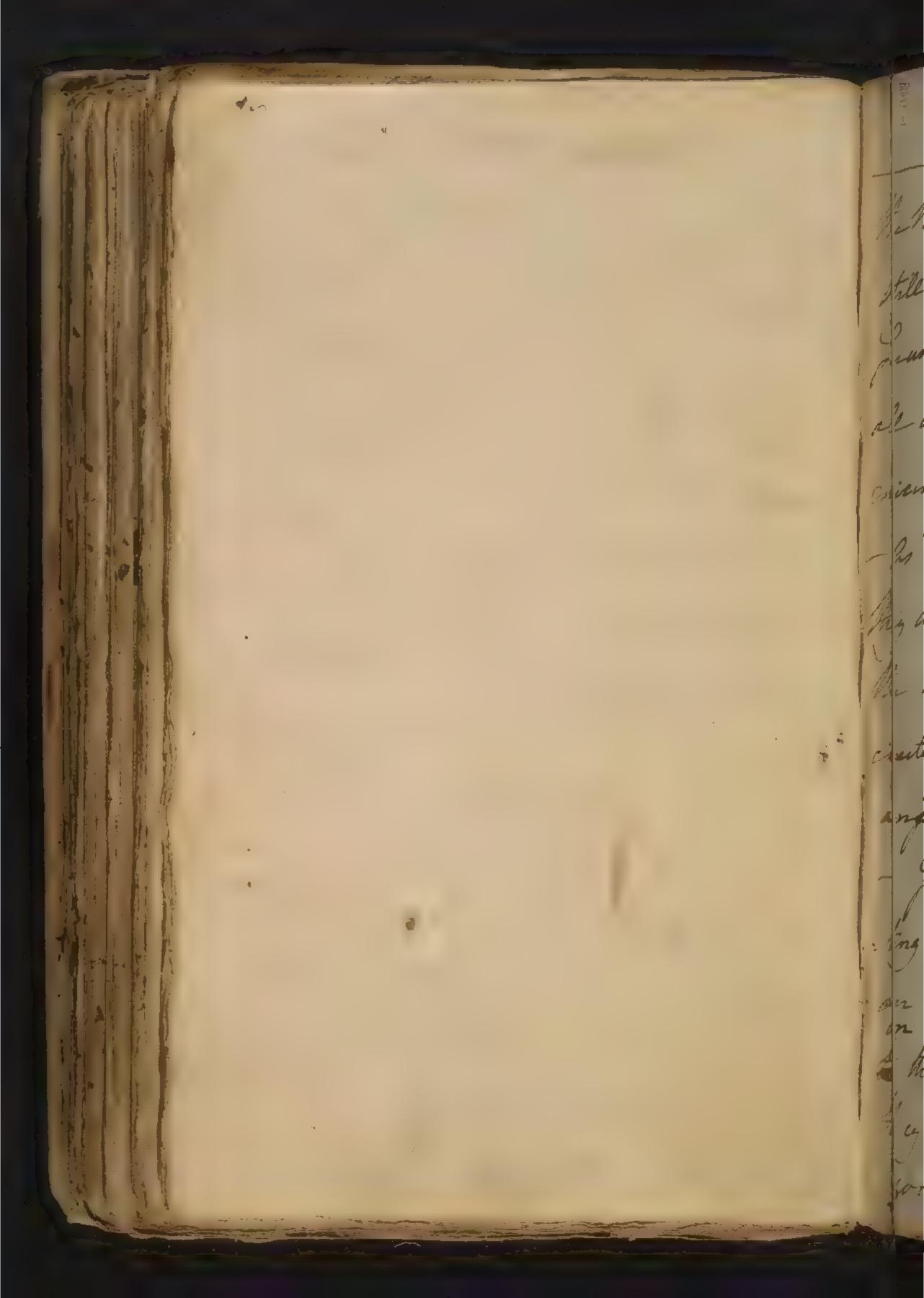
Diseases of the Polowo - Our aliment for find consists of the most bland in whit fulletanus for the most part. Some things & grant that we tuhe, are Curid as the falts - the Courts. mentall some Other things w: and thelp: pointment of hature recell, It were designed trizinally for Bur hourishment. Helio: · pour tien then consuming the bland hature L'am Aliment is by far too universal. 2: Gerinony Often attendto to enter the humors tho not always in the way of ali: ment. Lature indeed has taken great pains o guard ag: it in the extreme funsibility of the fongen - rances & stormach w: me generally excited to expel or avoid the norious heather wienter ento them.



Diseases of the Tolood Thouse may enable the Homash they stimulate the Gutts in such a manner on y they and Lower Dischargedling a Paying. - Jounewhat Doubt whether the Ladents are popepie of such a Degree of finishis lity of some have dupposed; I believe many things enter into tum, w. Physio. · logists are not willing to admit. whomy whole then notwithstanding the Presantions of rature & imagine arimony bometime ercapes the Tongue names of Homach Henters into the Blass throng Latetul. - But hature was another power to avoid derimony entiring the 186000 Oriz: The Frementation & Other Thangs



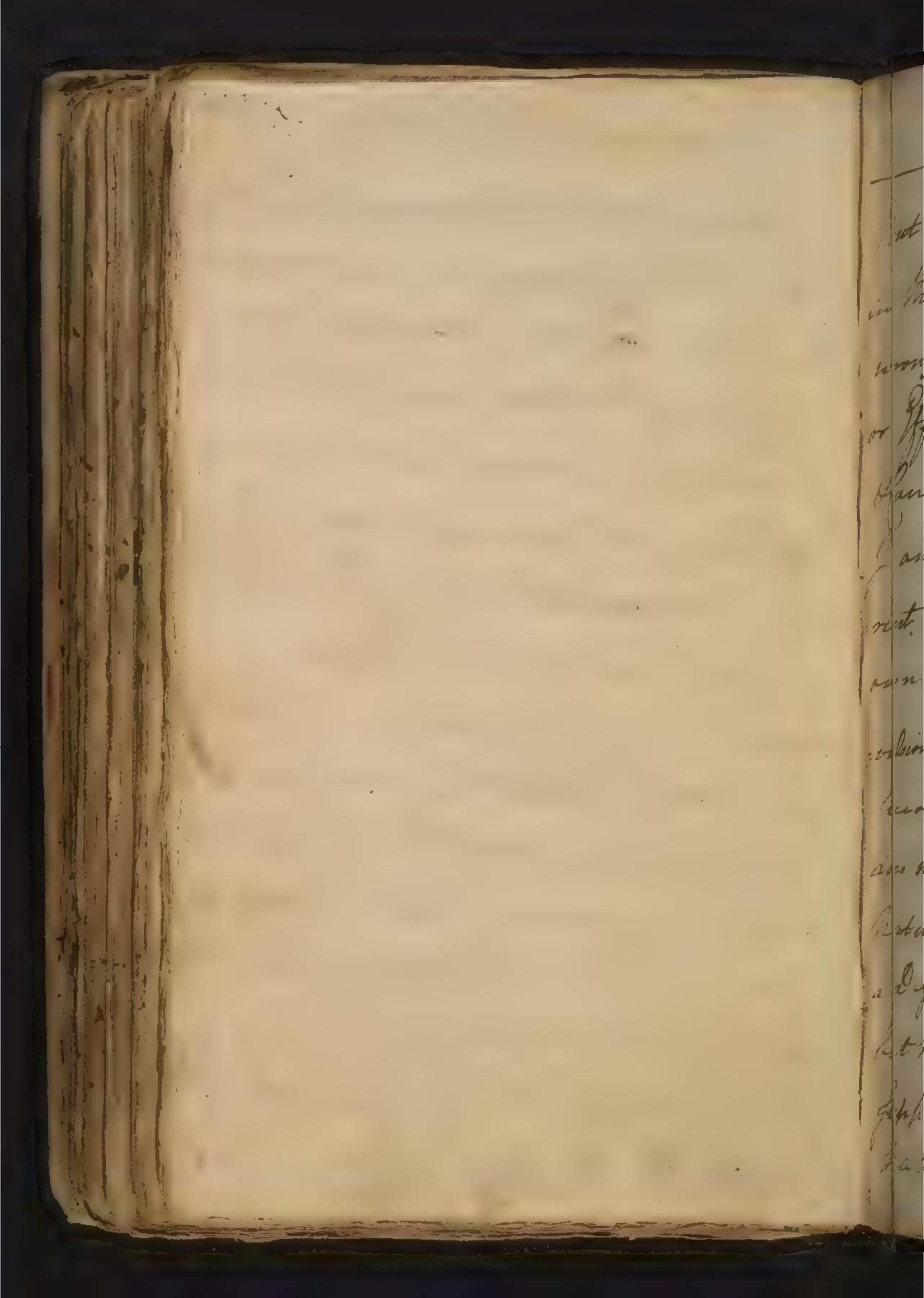
Diseases of the Blood. they undergo in the brimabia, even Diffusion its of a is capable of aleating The accionary of most of pertances, expecially where we add to this the Several matters that must mix wigacrid ful. Hanus iv: Lerve to Deminish Wdestroy Their herimany. Nout Supposing living nony has entered into the Blood, believe there are powers in & fystum w: tend to destroy it to: The Vil in the Celeular Mumbrane wi is promised out do plentifully from the Blood. hence we Jund frequent Indances of its being bury Endenly Abrorled on it were on purpose to cover Curinory received in the Blow.



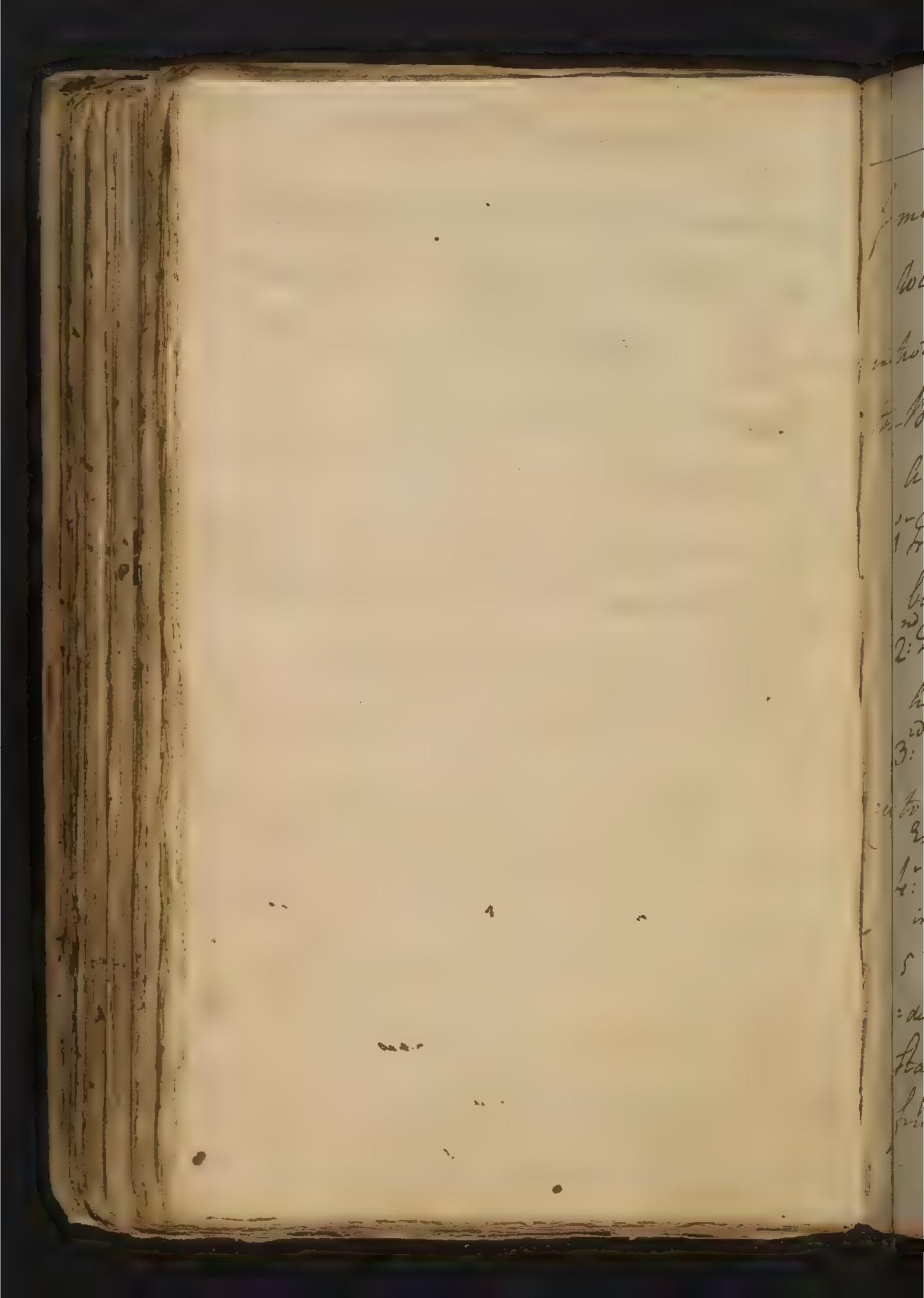
Diseases of the Molood 300 The Blood, It is not Obstunded by the Gil, The faffirm it is After inmount. The Jumm of am Blood action a followitto all anis matters. I thus mevents their mixing with the other harts of y 18 box - On Loon as they mix wi the ferum They are imediately discharged by some of The Immentories. all the actions their do crute are of such a hature as to exsite ander Trace tron of them from & Body. - I do not suppose they art by case: : ting the action of the Heart & Arteries. on the contrary simagin they act only to the exerctory befores Themselves When they are discharged. From all - this you du how much pains hatune

4 42 La ces TK.

Discases of the 18 2000 . 391 has taken to avoid luminony in 4 8 bood. Hout further granting its Presence Ather Fran it just, it in beldown acts whom the more delicate parts of the Body. I believe the artical pyrtum has no junibility to its Stimulus. even those parts wi are sensible to its thimulus are provided by trature w: a prusus w: quaids frim lig: it. purhape the Blow. Vefalls may be defended likewise from the Himmulus of Curimonyly the Cit wersudes from them as well as by their munice: litto accimony. The Frenctonies of Several Glands are provided is a findibility toluis : mony & napply for the fysteen that it is do for by this means it is discharged.

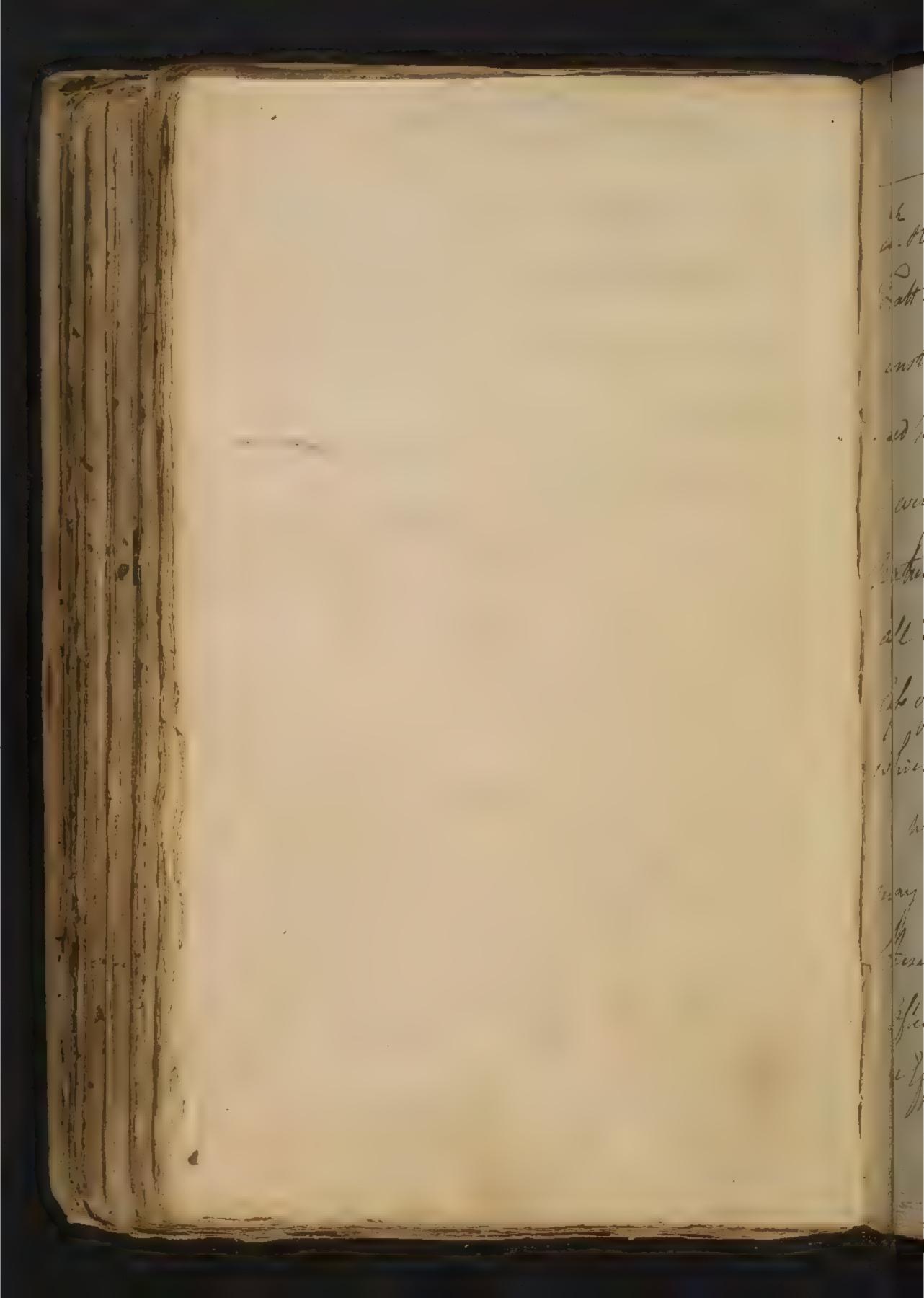


Diseases of the Bolowo 392 But allowing businony to Sulesist in the figstern, Pathologists have reasoned wrongly in inferring either from its faux. or Heets. De Gaustius Deduced Shamms Han oudrious from it, but in 500 (uses fram dure they depend whom very diffe. rent faures. even the apparation of our own tirtle is dufficient to bring on one : vulsions wout calling in businery to menut for them. Acrimony fown does take place notwithstand the Precautions hature has taken to obviate it, & to Such a Lynne as Louistomo to induce Discasso, but these are much fewer than hus heen Juliposed. They are moreover of a very subtile hatere wi act or frementation y botood.



Diseases of the Astorad 393 mean autagiours. Too thale then consider Clerimony as in horned from without & as Generating in The Body its If. I trom the Bliment not directly airid but bearing so by the powers of the Body. 2: From a want of Aliencent w Obsiate, herimony in our furture 3: From thom howers w: give a Fendm. Except fleator fireulation of the Blood.

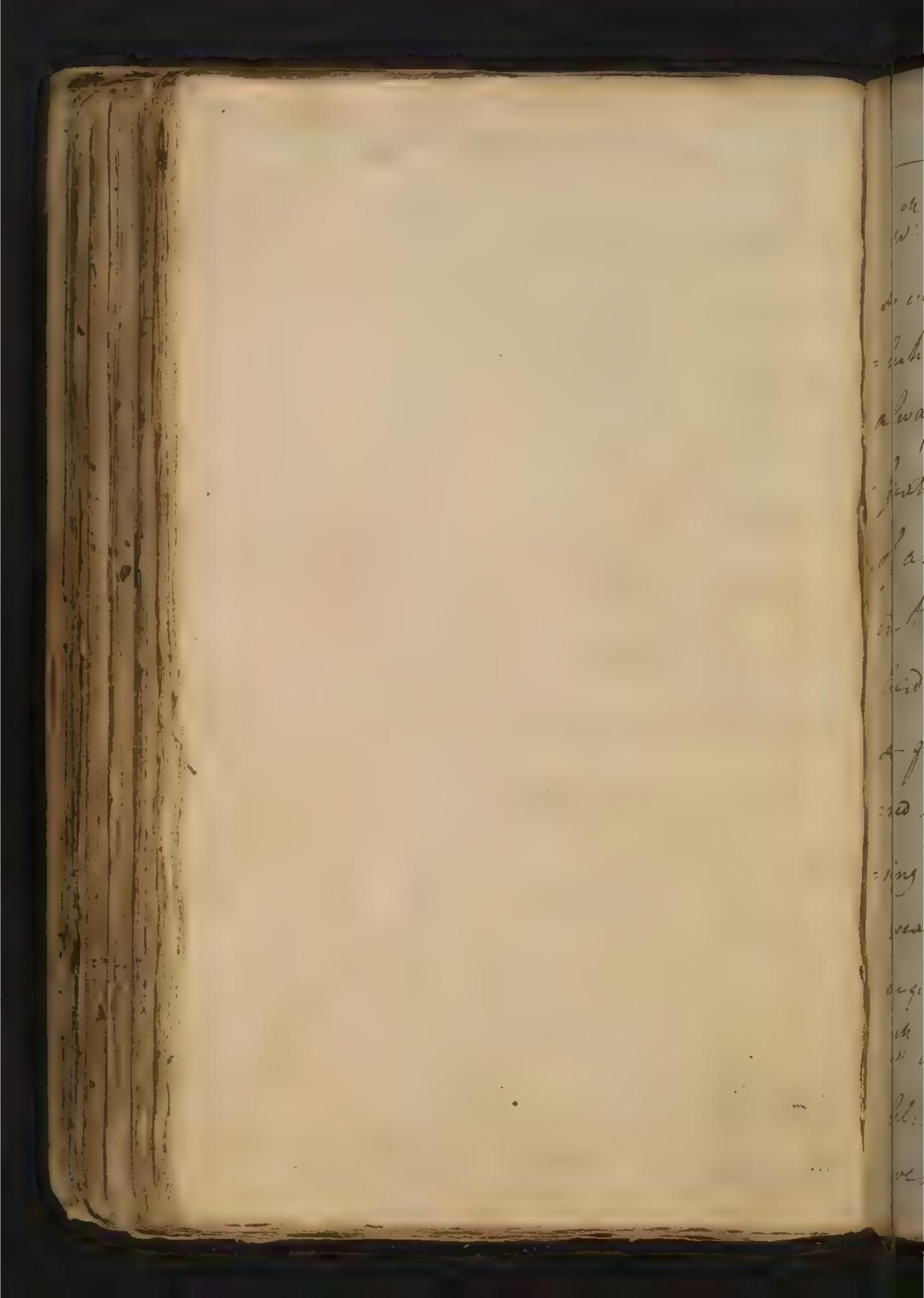
4: Fram Changes induced in the Fluids by mon in fenction. of this we can say but little. 5 From the Changes w: Our belied, un. : der go from the firementances of their Hagnation. This is her hopothe most fruitful Journ of acrimony in one fystern we have of us Henris in the Bood,



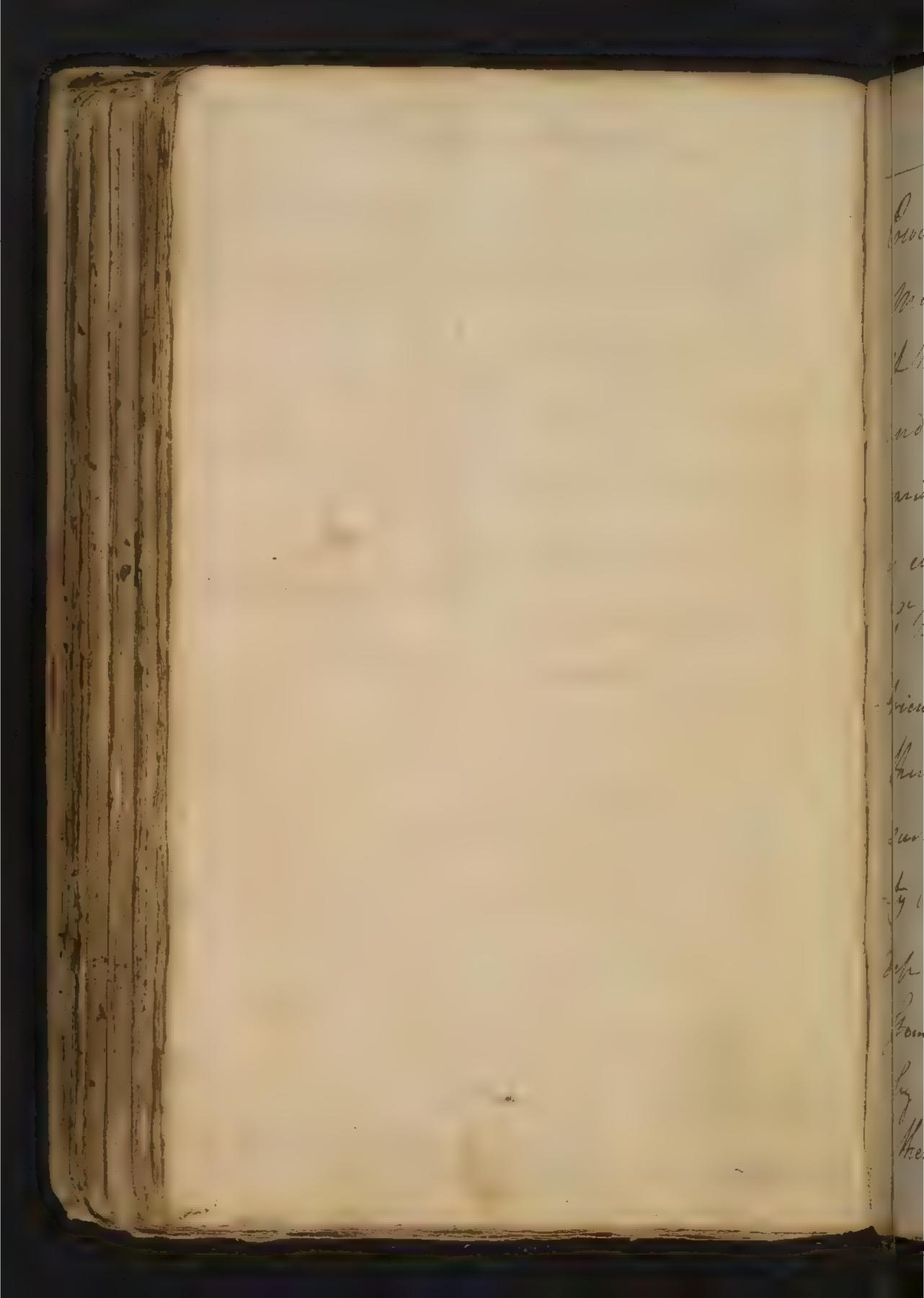
Diseases of the Blown. 394 w. Hagaste in a healthy flate . even the Frattitell is allyorbed & poured But again constantly. all Frances then previously effe. sed have a tendency to bring our hirimony. - every portion of our Flies are of a fermentable hatine provided they enjoy heat Wain how all Fluids effused in our hoods have moreon Up of these, I therefore two to there Changes which Fermentation hatterally induces. we have no Doubt but w derimony may be introduced into the Tystem from all There druses but I repeat it again it has Hen heen recented unjustry from its Causes 4 lifetts. But W. Rind of hurimonies are they

44 1/W 77 tane

Diseases of the Islow which prevail in the 18 tood? Herefain we meet w: great Difficulties. Wegene rolly repe every hind of airmony to Latine matter. of w: hature there are & Jahine matters of the Tolood? We know there. are many different kinds of falts in Chemis: wi are of a timple (Pour pound hature). The climple are airos & alhabis. Let first en quire lefter the Presence of there Two in the Blood. Formerly all Diseases were attributed to amof these, Allemedies were Andered acordingly to obviole & abtuind Moun. let us attend fint to the hinds. I we Vaily take in deids & current jub: - stanus in Pur Alimeent. even thou publicanus



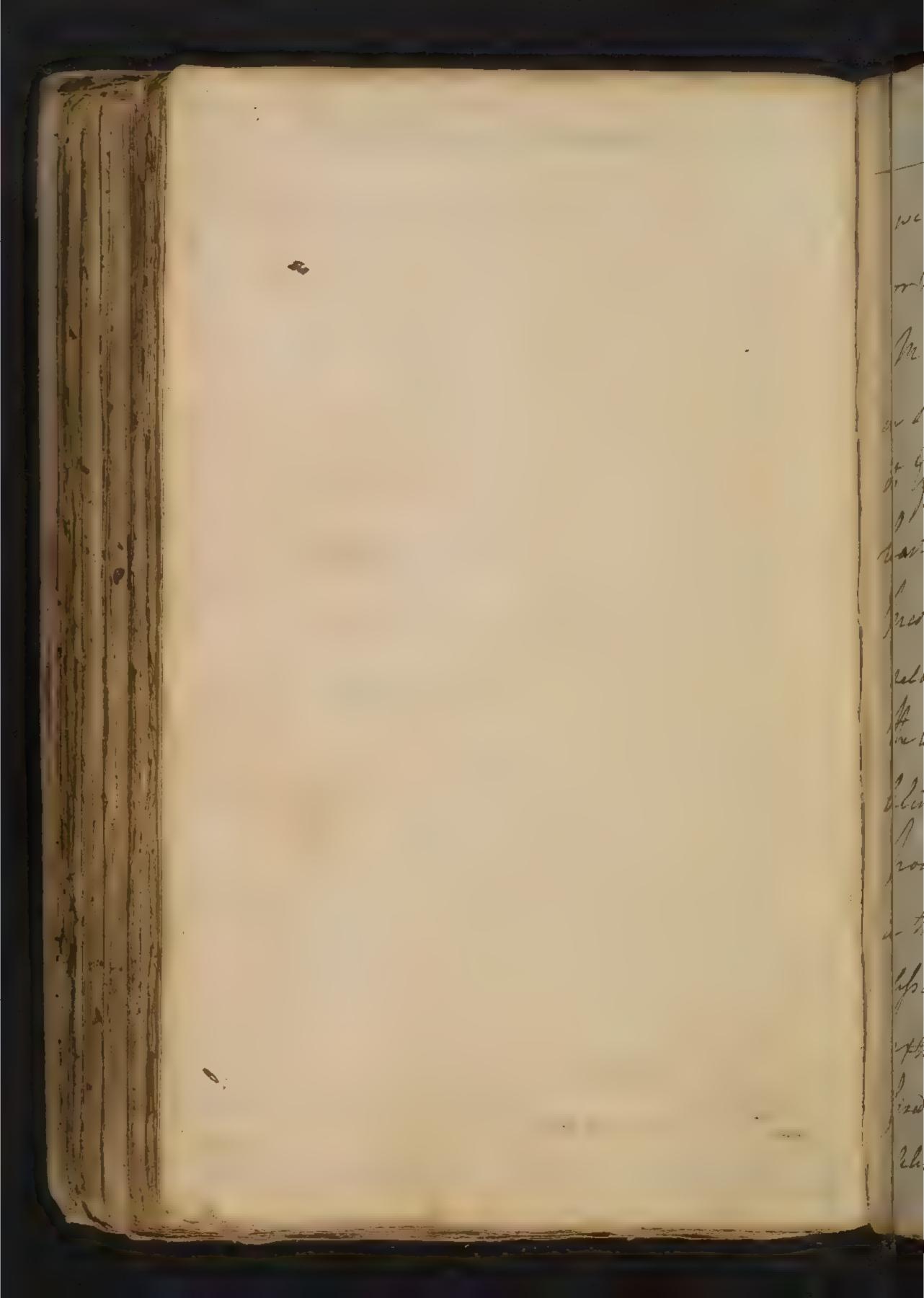
396 Diseases of the Hotors w: are not naturally account become so in the florenach. notwithstanding this wo: · lution of an Ried from all our leliment it is always removed in the process of Chyli. · firstion. We have ho moofs of the Presence of an died in any points of the body except in the firma bia. let the Degree of the wid in the stomach or its Grantity be even do great. it is always more or les cover no before it arrives at the Blood even duplas ing the apinilating from to be over do weak. It would consume too much timeto enquine into the hasture of how publishances we are dup posed to give the most line Elisaut or to the stof those Courses wi weaken the nonce of the afrimilating



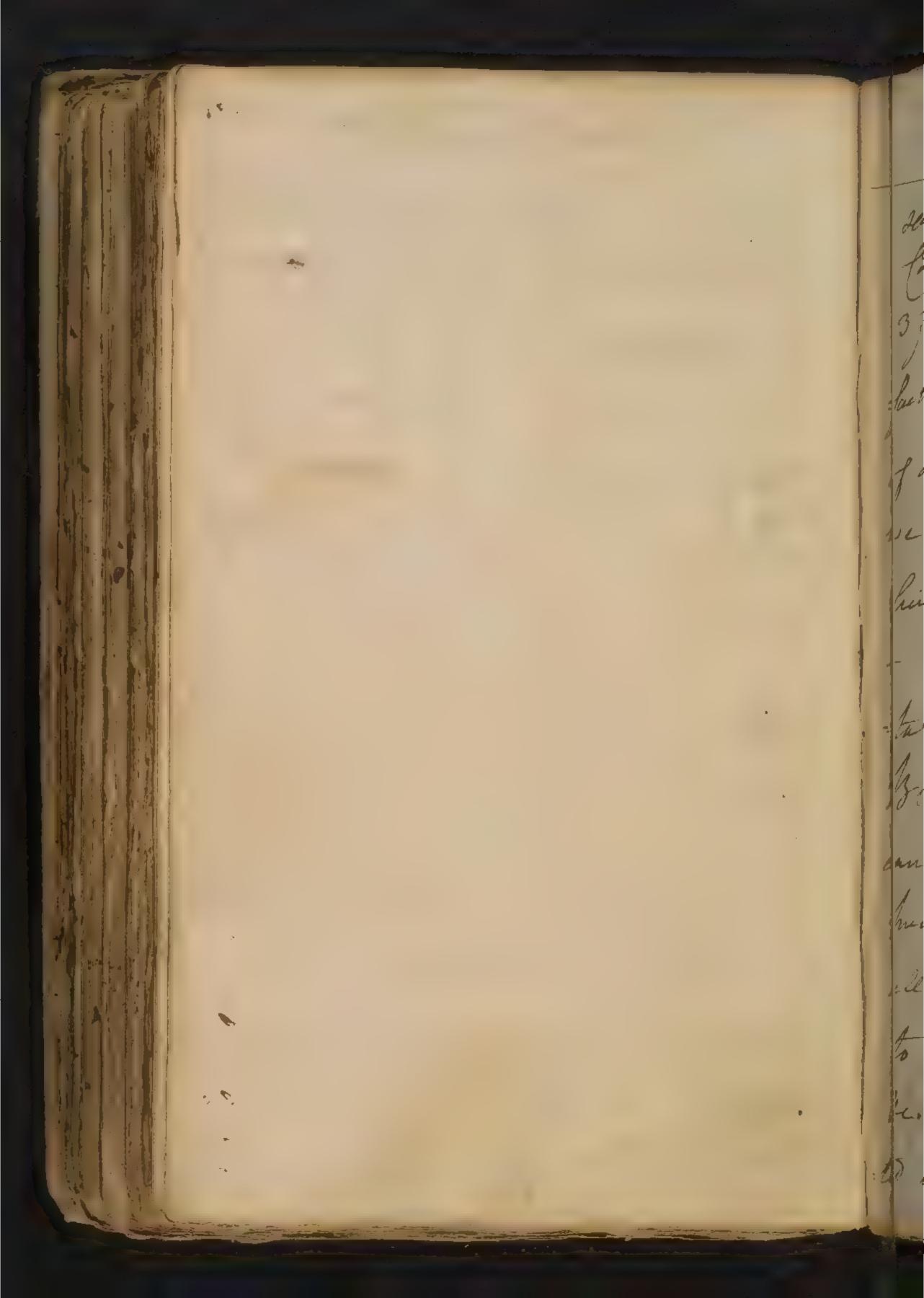
Diseases of the 12 wood. 397 Cowns. But we shall we say to The Mineral airos? - They act as Poisons, Harefore do set come immediately huder Our bothe kere. W. Diseases arise from the buid in the Prima bio B. is evolved from our aliment? They are 1 the Reart Burn 2: The Morses bur. Anieuli 9: Pica & Lometines Bulismia. there are Alter Diseases aring from it, such on the realings w: are puliar to you ty Curone. all there Offections do certainly depend whom The beame of an live ing Homach H are greatly influenced in their briolesus by the Depree & Quantity of this wird. But Mere affect more considerable affections

1 as " It may be Julijust of Inquiry Whither These Disclases of the Bowels defrend whom the bird; acting simply whom y bowis, or whom its heing on fliciently newtralind by the Bile, or lastly whom fixed sin will a from the aliment during of further this in the Gutts"_____

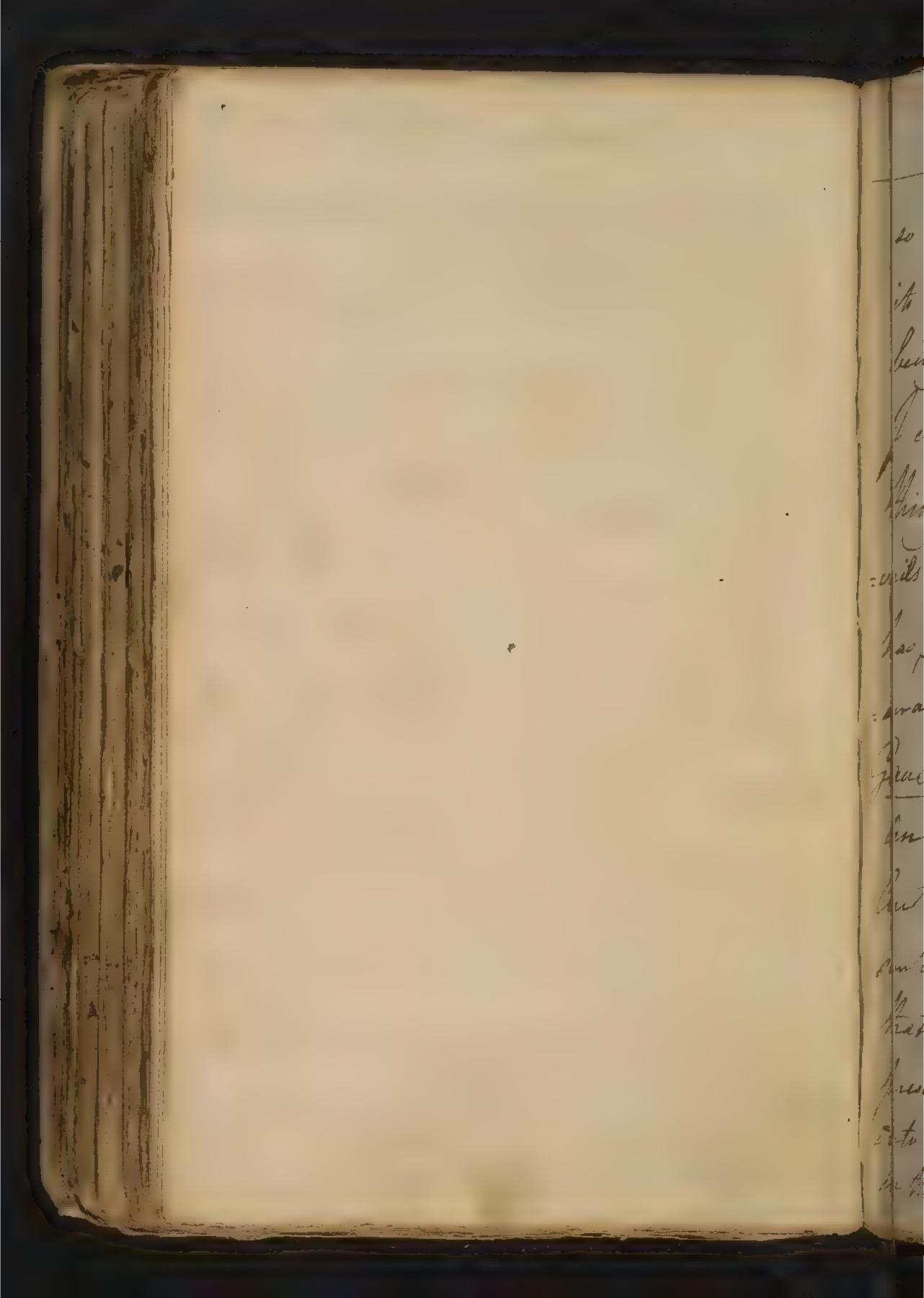
Diseases of the Blood W: arise from that incumotances of her: mentationen the prima bia big from the Intrication of Mehritie in w: action tu huros of the ftomach, I there indu the was betonia is lay the houndation for all those therms I irregular mohimo w: Town. Total the formach budget a went The Thours Morbus & many Allin Direases munda of the lownels are more or less in denied by hoten this Course. The Ried of the tomout settic it shi escape une hanged this y Dusdemun from the Retion of the Bile, get it produces Diseases she in the Interinal fan al Such as Dyarrhea Grife: - wind He. Jarmit Thun the Suite ation in a Direases of the Intestined Canaling but does it -go jun this? . Janeauer



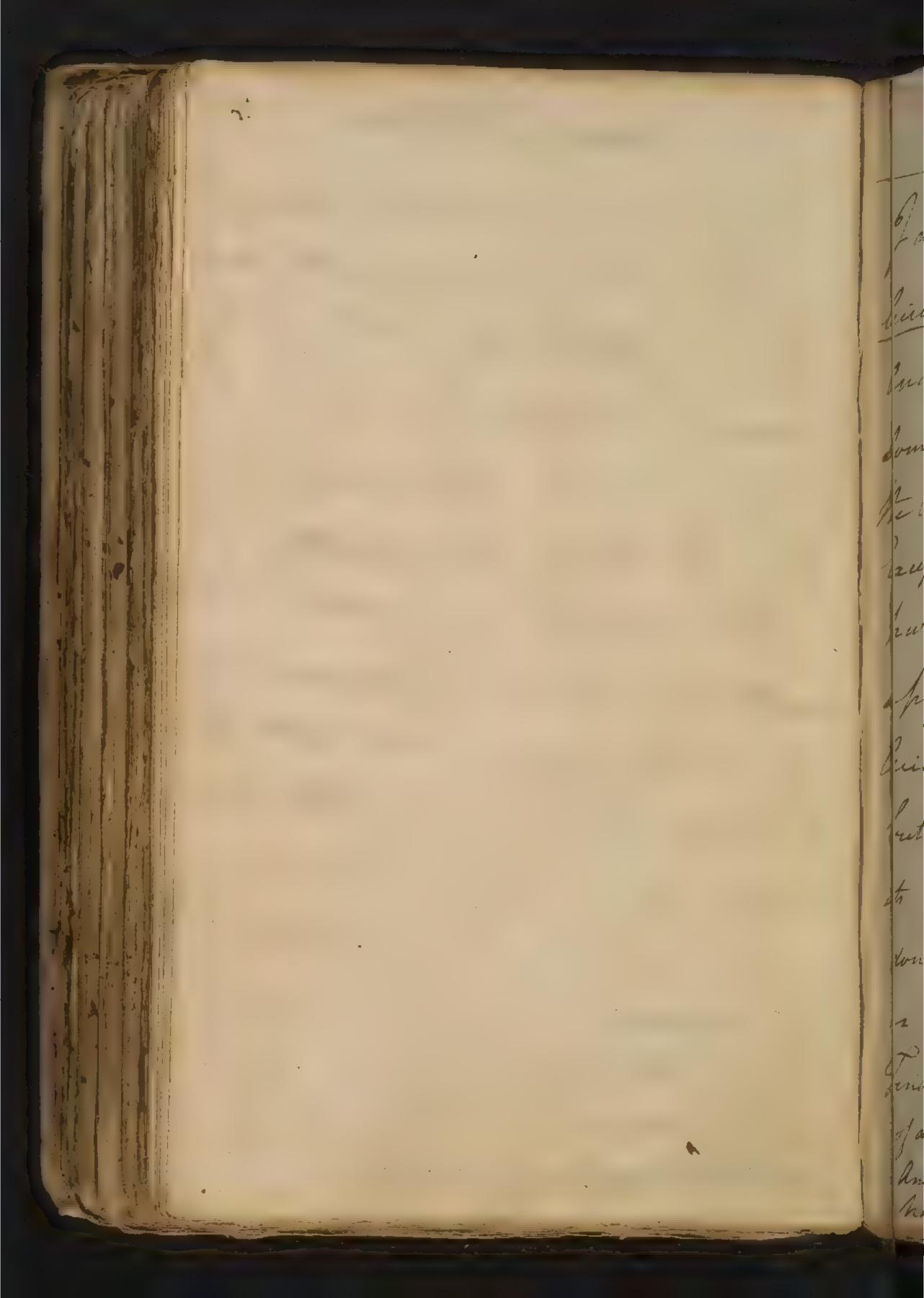
Diseases of The Motoro 399 we have no proofs of it in the carteals or majo of Blood! It may be procesent materially Mue i e involved & covered in tucha manner as to show home of the Heets, But I deny Bur having The hast Cleason to Cuppose it is Hormally mesent there. This finter i from inhis? Aldom or never appearing in the putestines often the Offusion of Bile Transmatis nice tog bliment, ow we may ado the diluting power of the Lymph w: mixes wing thyle in the Lasteals. I from the hartune of the Whimilating rowns in the Blood. Thereare very Ahaodinary & Surprising. hence we find Jisa Ilhali changed into bolatile le all Whinest girlds an wird which we shall



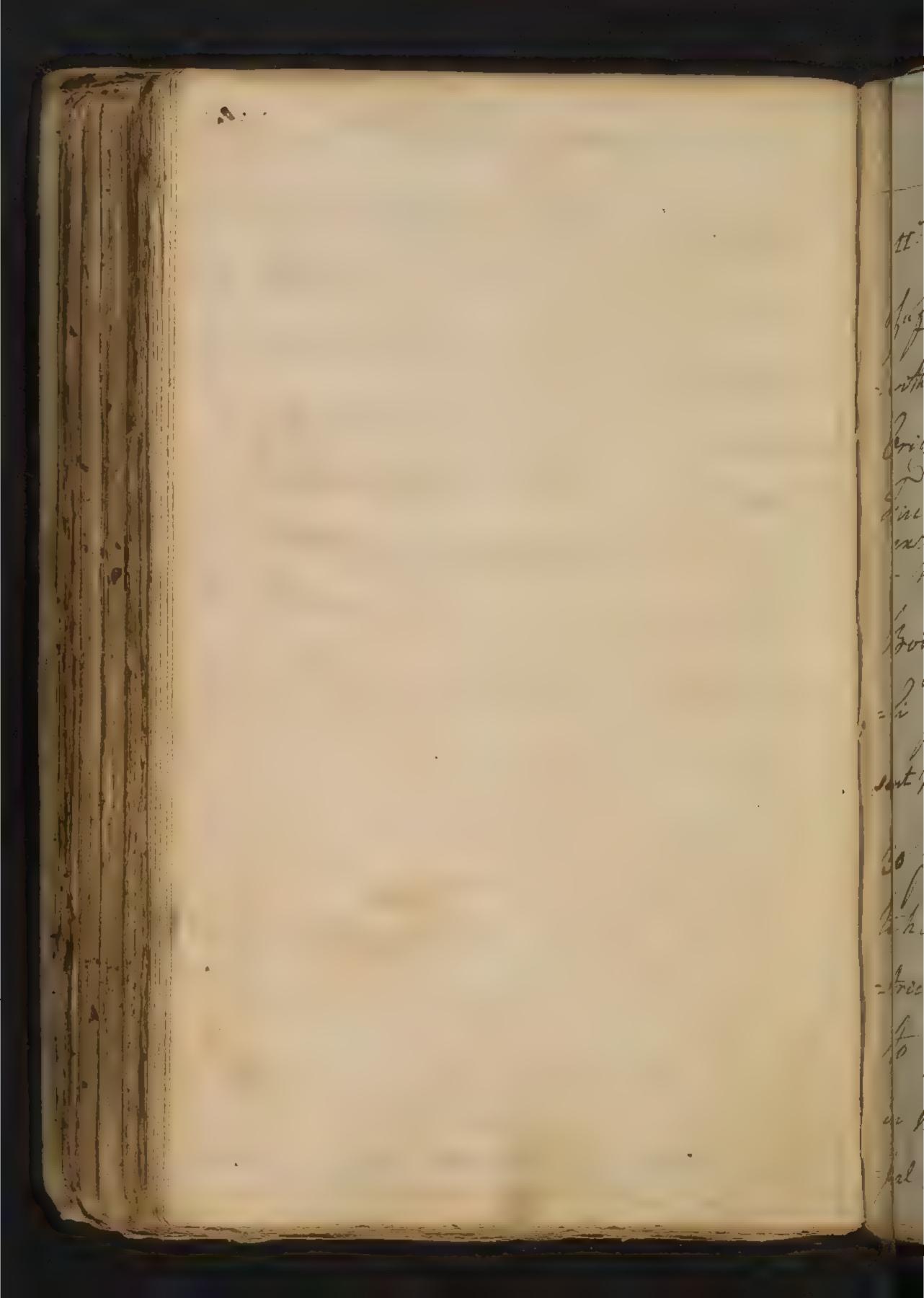
Discases of the Blood 400 day hereafter enters more or les into the. 3 from all our Humon tending to Pate. : Jackion wi effectually Boristes the Consequence of an ino in the Blood. But withall. we day to the milk which feelds an his as Loom as it comes from & Brund - This heid is the Consequence of Fromm · tation, Hower exists formally in the 18 lood, nor do we inow any thingy. can decompose it in the Body. Beside previous to its evolving its hird it requires all those fireamstances w: are necessary to deermentation, Such as heat tein ter in the Chyle formally, yet it is always



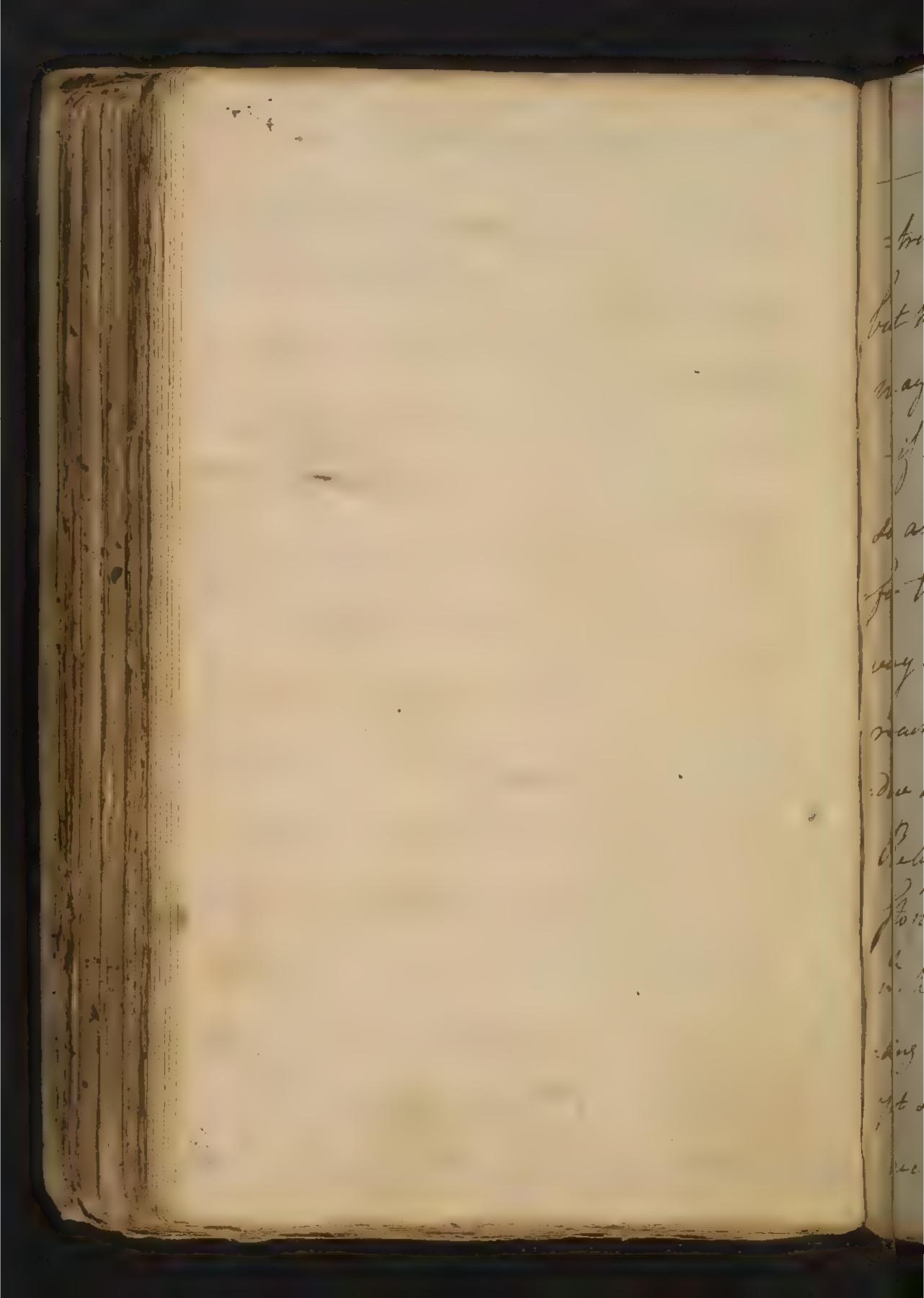
Discover of the Blood so covered as heren to show any of it Sfects. but Jeannot somit itswir. being forgually present in the Cryle. Jeoneluse harfore that no Such Thing as an his lumor wer fire: vails in Burtolow Poturth, tamping it has insuntained by hen of such Consi: : derable havesters as Itsoerhause Ist jandrius. The Diseases attributed to an dieso in the Blood by both these inthoors may be accounted for whomen simple Principles. Gar now ledge powers that mineral him may down times be present in the bolow if taken by himent into the Body for we know of no power, in the Fature aspeable of changing it.



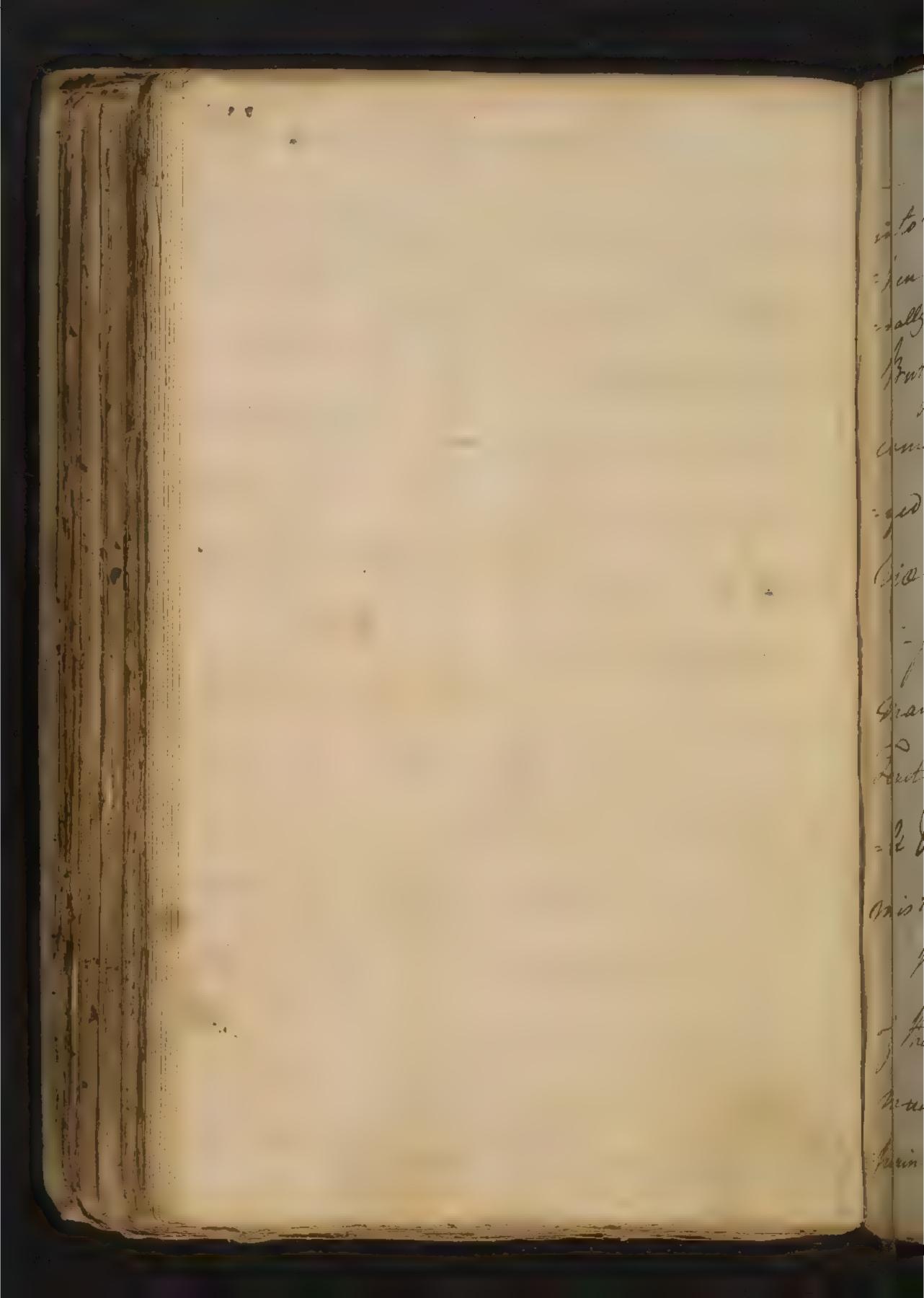
Discuses of the Blood 402 fachowledge linewise that legetable hird enters in to the our four tion of + brimal Matters. how this hierd may, Sometimes be in an Jun: proportion to The Other Mathewait unites with, from an True in the Grantity of Ingetable on puterent aliment. fallow it therefore apopible fan that there may be a murbin heidity in the Lystim from the lastfaure, but dany our having any moofs of its reins formally present in it. Jewen don bet Whether particular aliment Juch en innal or begetable iave any Findency to hodice an Over proportion of and lind, or any Decomposition of the Animal Filings, hotwithstanding to much has been wrote It said whom this July cet.



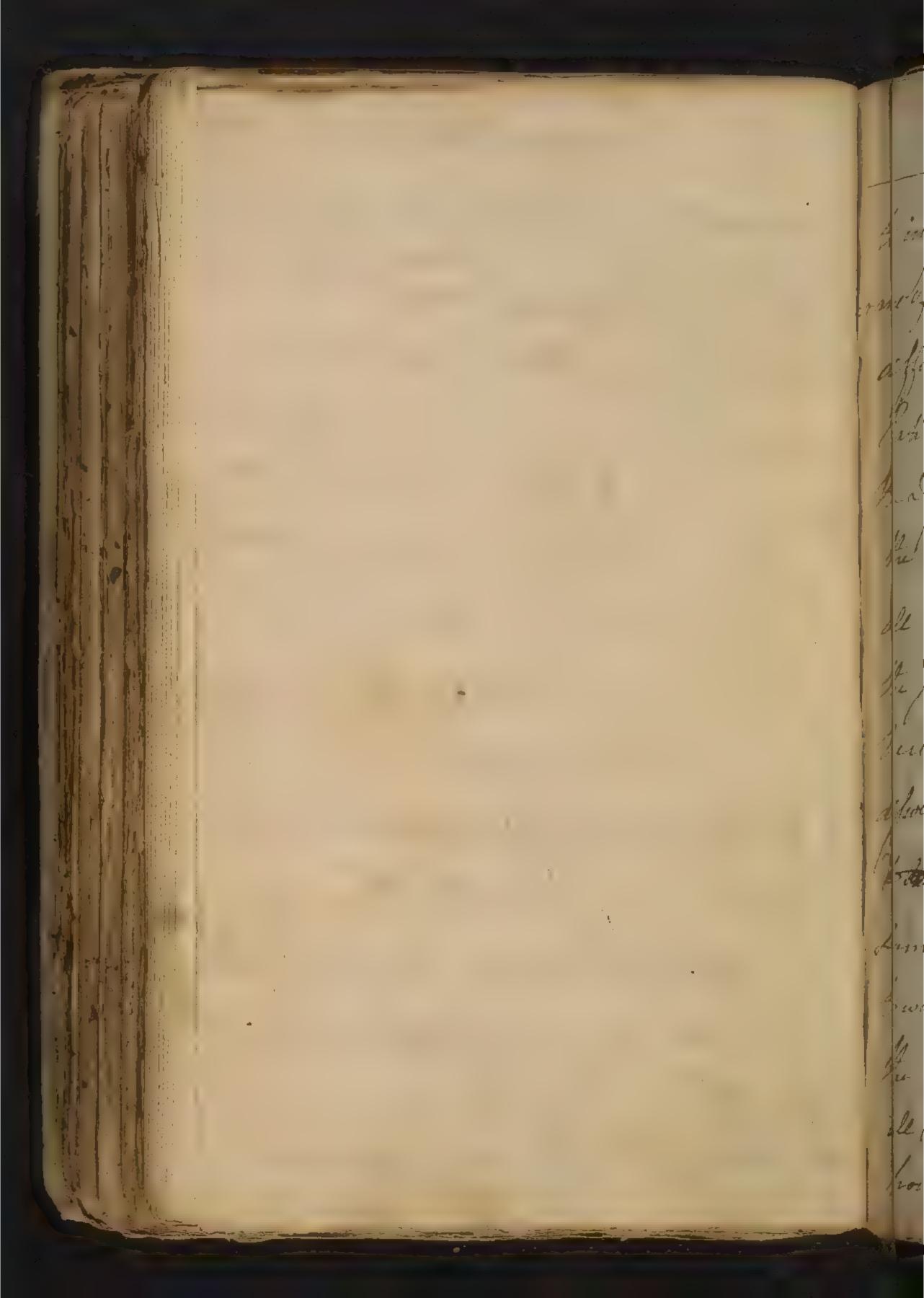
403 Discases of the Blood. II: let un buit enquire hoten bubresenu Jugiced Albali in the Polovod. This hus + : withstand all the Districtes concerning its Origin is a Product of hatune but fine is always hear or life forthere. exhautist. I now of no powers in the Body eafable of wolving a fixed telha : hi from Bur deluids selho it may before sent there in a compound tate within there 30 Jean alhaline Museumes have bun la hon in Great Guantities as dithon. Arietiche & then have been supposed to produce an alla aline Curimony in the Polows . D: Just have is informacion - hal Buthor who maintains this Dock



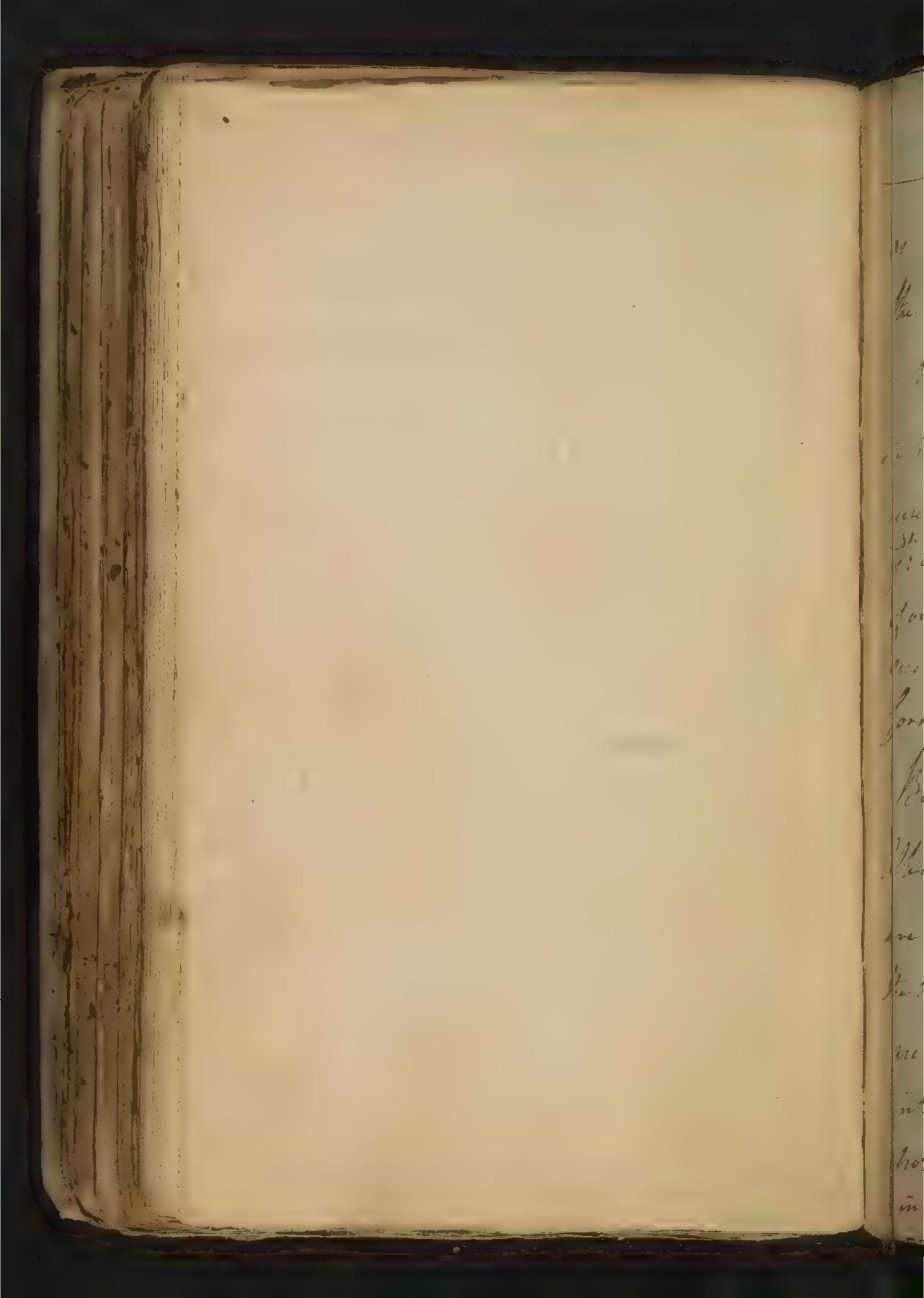
Diseases of the Molovid. : trine of grant it is hard to refuse Fronts but When they are Solitary think wet may be furtical w: By and to them. - it alkaline atto ever ceach the Astadour to as to difeolie stones then, we might in: for this Cresence in the Blood, but itis very doubtful whether there falts even reach the Arinary passages to as to pro: Due any dipoling offects there. The Same Relif wi helhaline falts give in (a soo of Horse may be Obtained from Insdicine wi have no difecting powers. Tour dup ho. · Ring Pay sid difference the Thome in y Bludden get Still I would reather Suppose they were accumulated in the Ast adder, & Did not cities



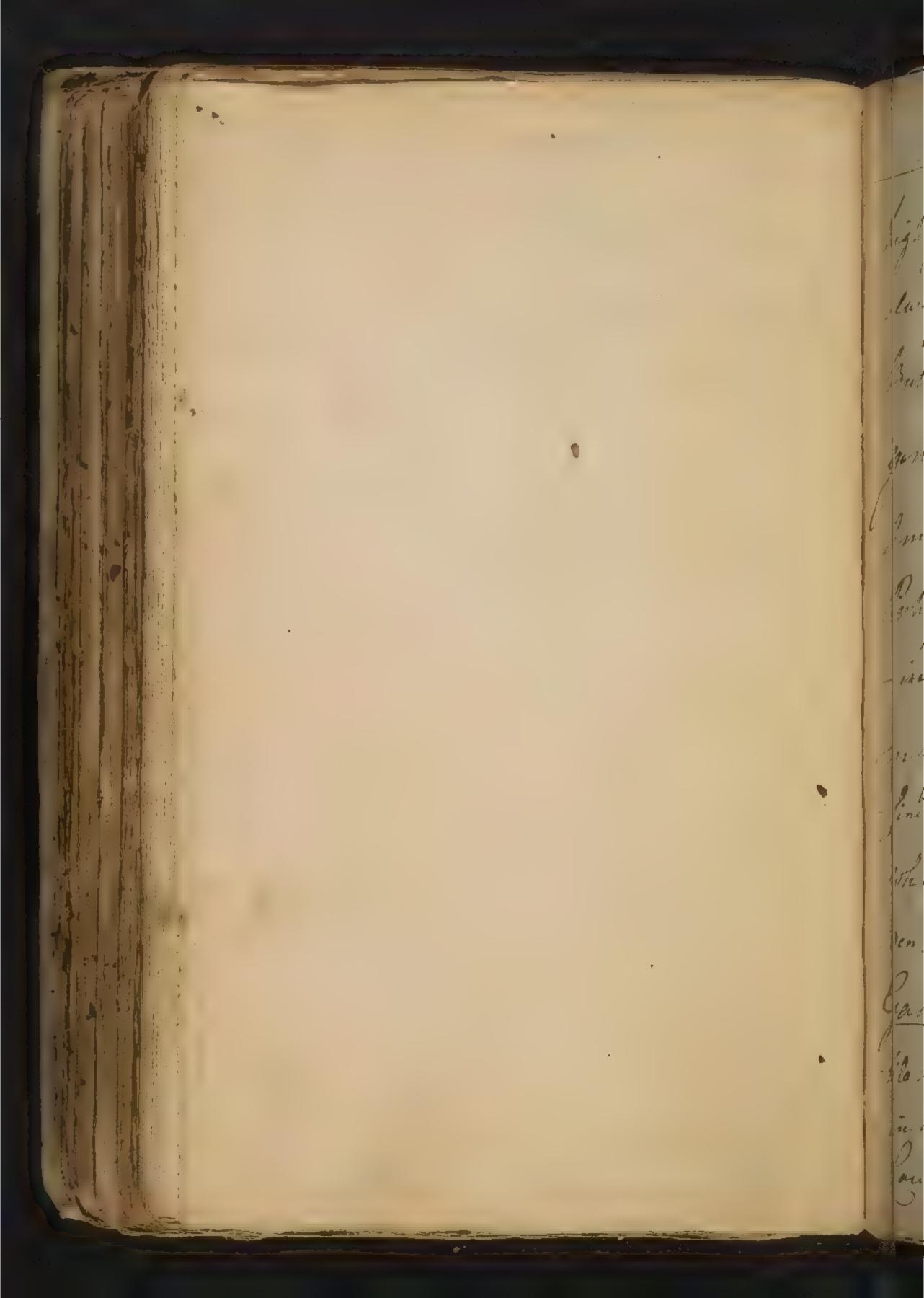
Diseases of the Esterd 405. in to mia ture w: the Moloro. The all: fall to. new inatime water is very small, & are given wally washed off by the bater taken is: Them. But further all Allha line I debetanus in common w his are more or left destro-· yed by their Diffusion in the Primo Crio Hey missing wo the heis of y thomach, - lame telt us the Urine has guilded marks of a fixed Alhalia, but fling Feart. Grant it contains a botable alka - le & Anisit is highly probable has been mistahen for a fixed alhali. But from Whenestows the defedued thate of the All vor arise of Hunham Speaks do much off? - But here we wrest wom. plain that Influsham has my lested



406 Fireases of the Polood. to inform us of the praise hpers rome of the Poland, It in what manner it differs from the Mood of for butic Parients. Besides her may Recount for the Deficiention of the bears withfring the Marine att acting whom them. all althaline falts are how tralined in the from with I we Aleale but the that heret mal for falts have a from en of different time the Blood. Limither by Justinging the wire of the formante fine, althout Some thing we was absorbetty inchang towards forming the animal file st, Whene the distrolved facts of the Blown. I believe all the alrowhent asks would out no howerfully indiloloing the Blood



Diseases of the to lood 407 as Alla line falts muchy by Alsharting The due proportion of 12:00 from our flies. - the Riborald Sophianame of the Mion. in the jewest Defender whon the Same aux. Thing an Mytachion or bount of 19: Aird y: 11512 ally entire instrumention of our Faireds. Consense than that mo such Pring as a giaco alla alie ocur exists le Jornally in Com Poloso. But have we any mouter of abolatile Malie in the Potono? he honor there are tream of the anging fixed Whalis into the boreatile by the promises the yetem. There are bream too of hangingfixed Alhalic, into bolatile by means of Alhohet. May 2 not the same way? - It appears Then

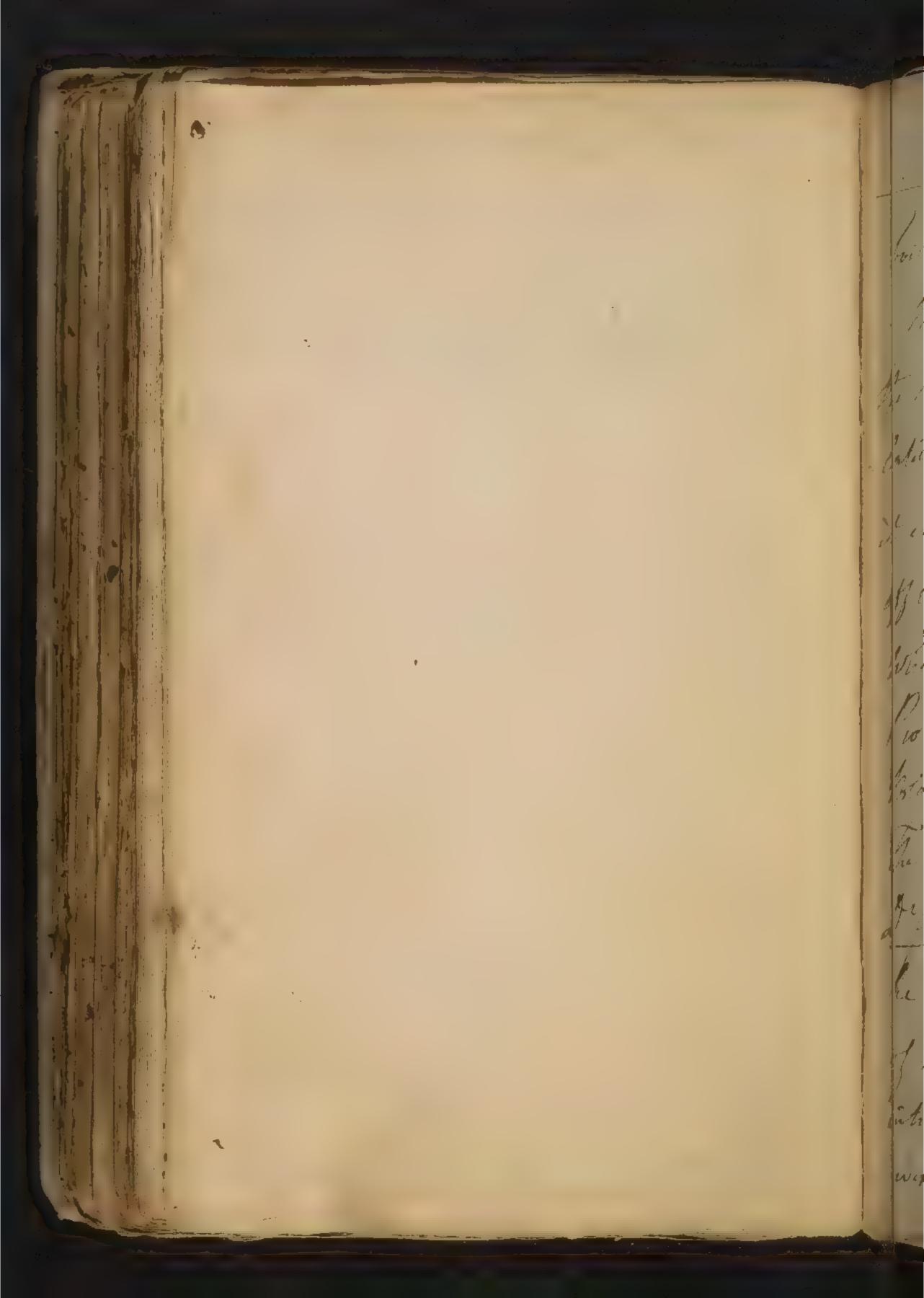


408 Diseases of the literal highly frobalde Bat bolotite alhabie is always present in Ansimal Fluids? -But in how in a departe flate? we Generally find it in the form of an home on aical att. But may not Poplartion wobse it? - Mis is doubtful. - in Course paragnene a bolatile Belhali may be revolved, but it is always con Indto Sur par duly, for Loon as y

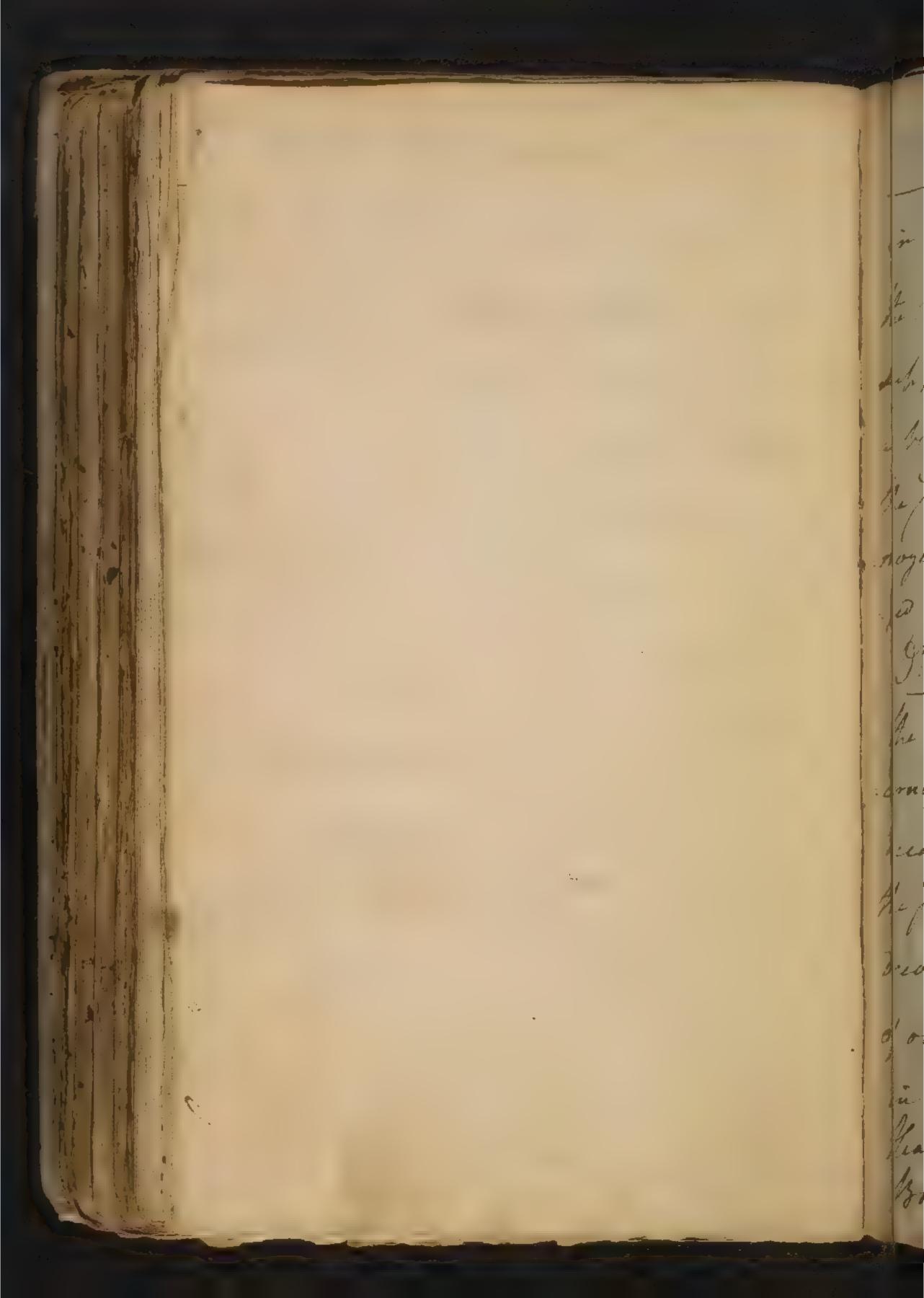
Whole Anop of Dinais affected with, dud: den death is immediately frot de. Li Germani Lupposes in \$ 310 that a hola. tile Alhalie may be present in y Blow in a depenate thate I men hons is deveral

141 has the filaquoin of Pay. Ir Poor havi Chamistan.

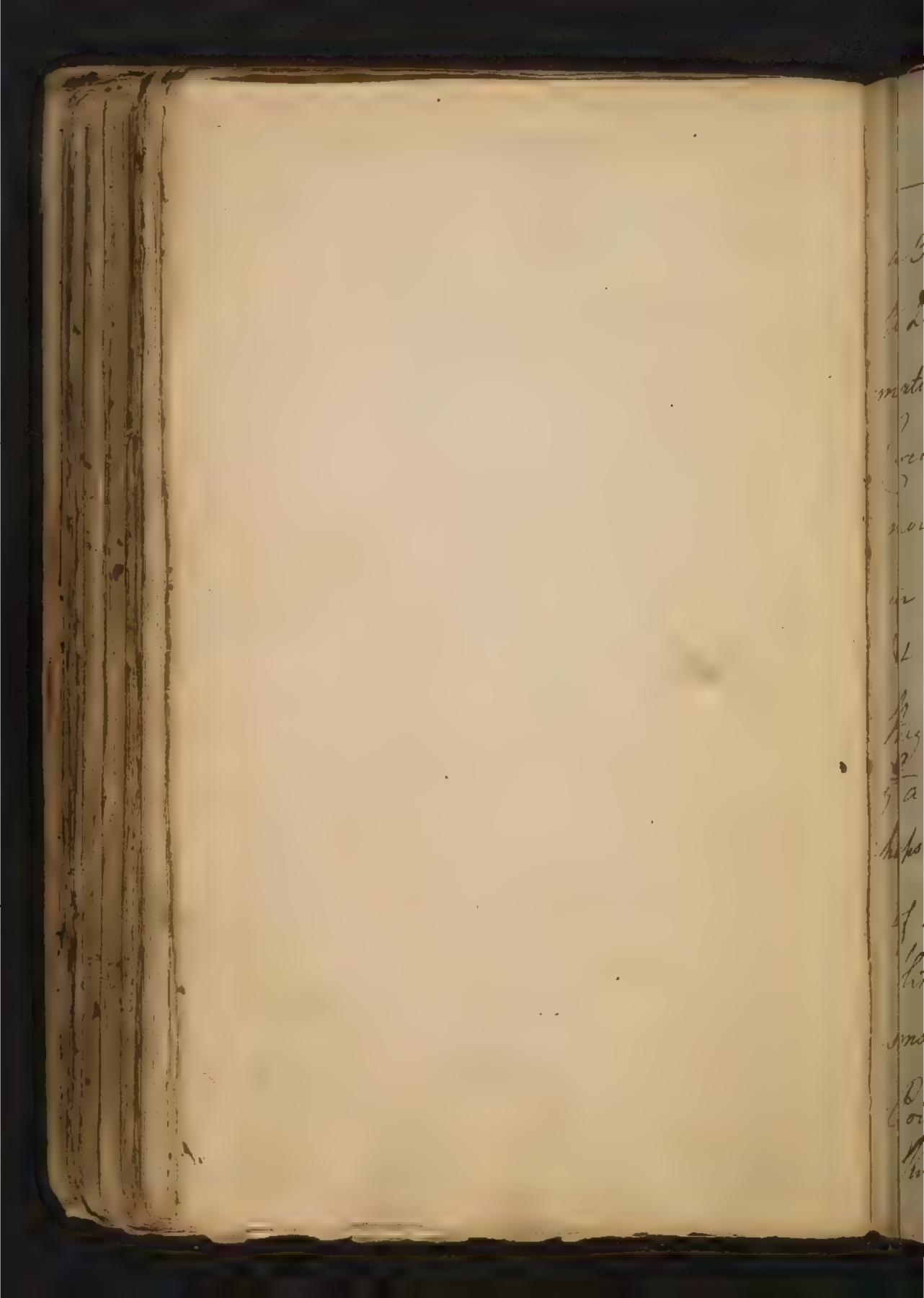
Discases of the Astono. 404 me of rejetables abounding walkalie Such as y Setrendynamico Linners. But Fdoubt Whether there begetables contain a bolatile Mali in an uncompounded state, But if his do it is in very small mantities, tena we find their whole Bon of Thirities Rection deficitated by Drighten. Le - But Supposing it present in large Juntthies the lind of the Home bind of immediately destroy it, nor & soils even Tugitabled to bridge in Duan like. to afford any quantity of such an alkali, the Clartsof the ochadynamiaw: we rese most anethe Profice in itsvarious From but little werimons leften they have been



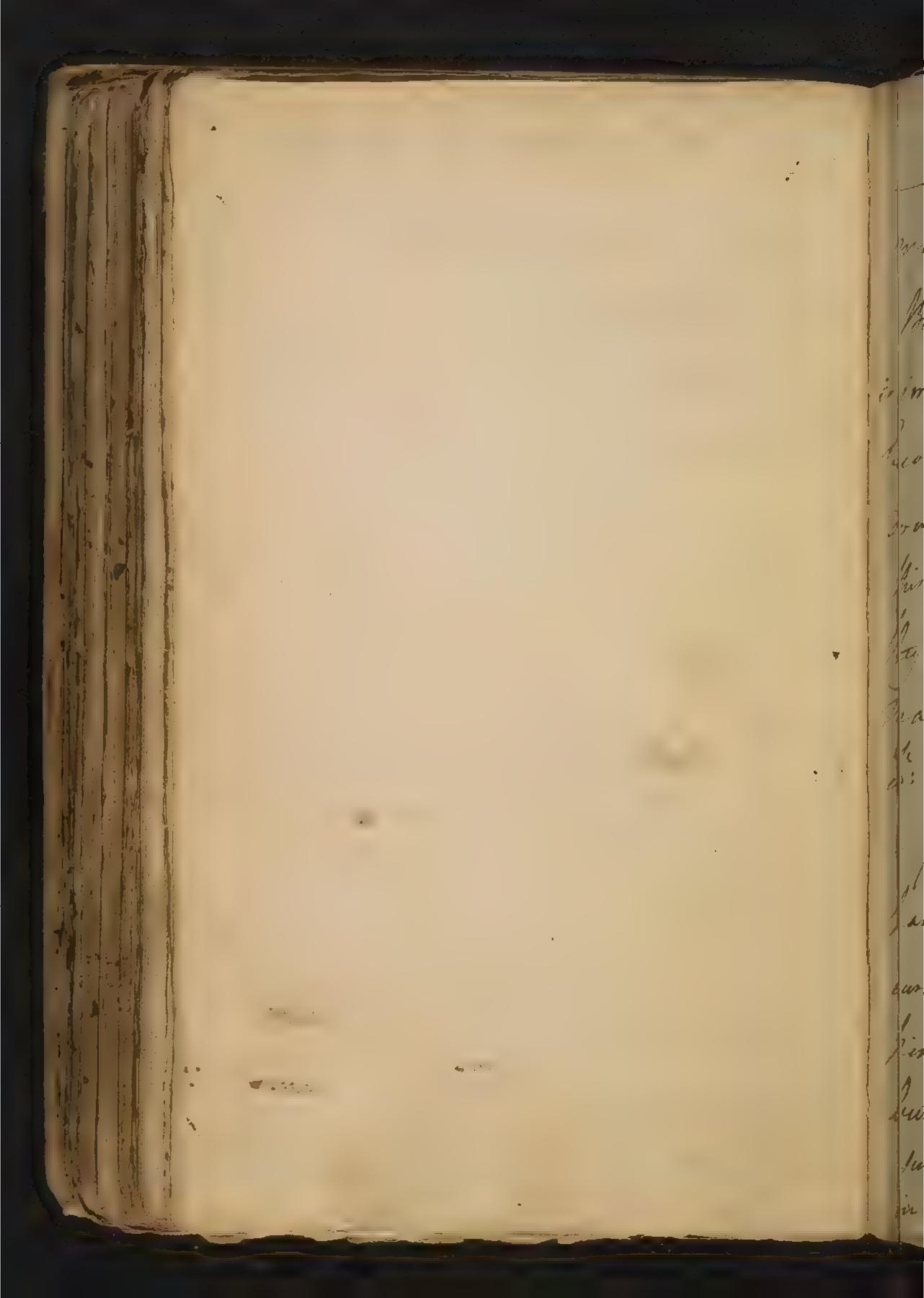
Diseases of the Blood 410, with the has their thing from them is But granting these that i enter the Born 14th is it of so L'timulat 400: latilitant it som vonition purper or if it entery the lotow it immediately flows If he inventible Perstination, When The Work was have there is no y least Two bolilitity of a Golek Ballhadin our no Potoso from merio presidentes to hen in The 2" , ou one of this to catile with ali w: A Herwins is, Frolable Silha lic mas he depenated from i Cummonaic falt of the Asland by means of . find alher introduced in to the Island, but I deny that evera fixed Alhali en enter y 131 oud;



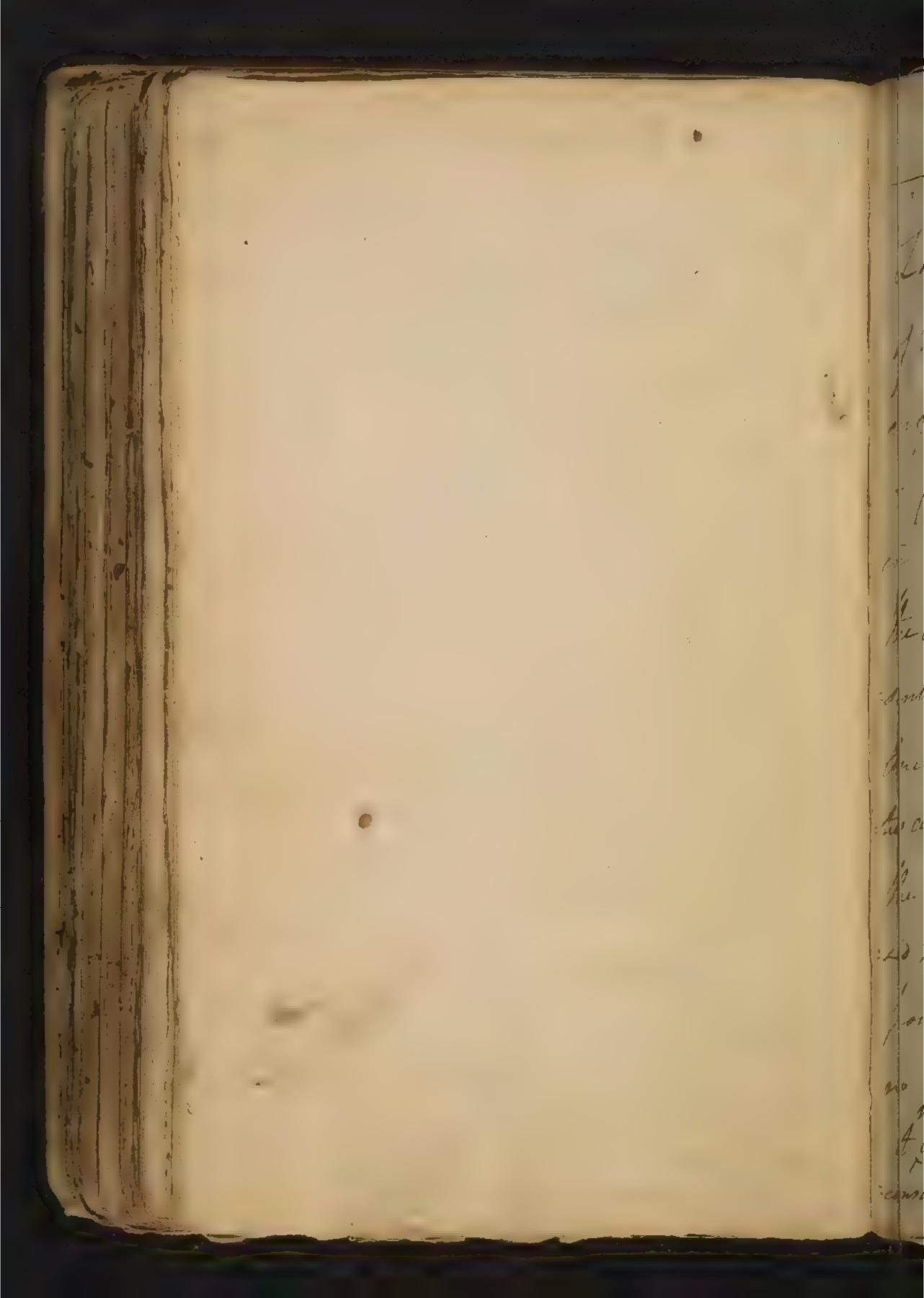
Diseases of the Holowo 411 in Luch a manner as to decompose The Germoniacal falt of Bur Flinds. even supposing the fixed pethali did wolve a botable alle alle from ; Flain effused in the from out, get it would down beden thougho he the lind of the Homach, or Discher. ged liky bouniting or pringing. Difrutius Speaks of Oahs Seconfining The ammonaice fath, but all we down corning the Imposition of a fixed Whali decomparing it applies equally well against The Josh. nor are tarthis capable of decomparing for he ammonais falls of our Felinder, for they now can aperate in this way unles apisted by greaten Heat than over prevails in the ornimal



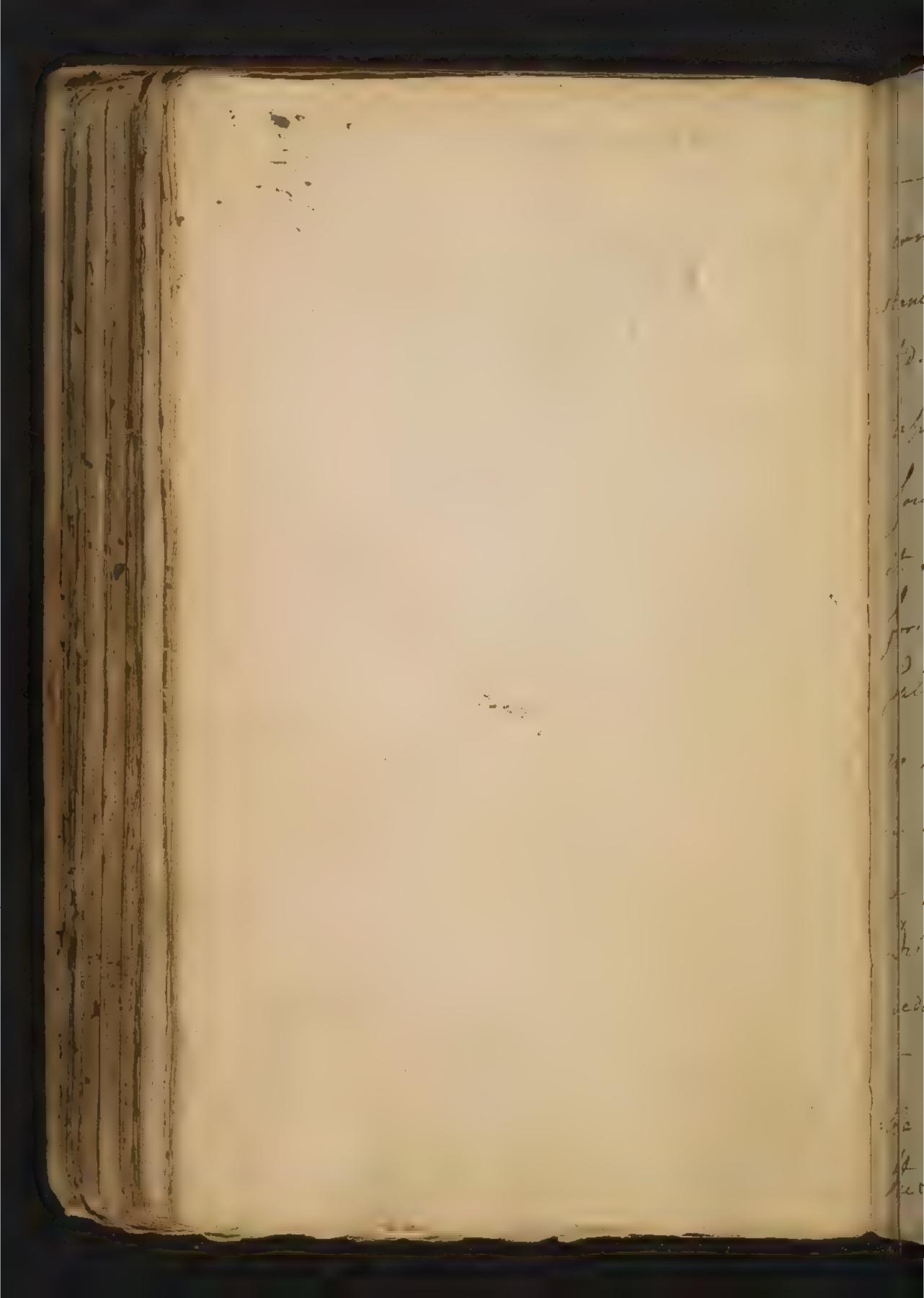
Diseases of the 18 lood. 412 a 3 course of hot atite with ali morning to De Guntius in the taking in often. matri Judances es les encreasing the Grentation of the Mood evolues its falts nove copierence. Pout they are trevertaken in buch Granthis to produce duch Effet, I even Luty bring they did Jong that They have any tendency to decompose Jammonai: Latt of our Spland, pur hops they may too to emercese y quantity of the Fall. Lis La Couse of Golatile alliali is Coi: sons la hen into the Prois. I frant forme Poisons dispose our offuin to immidiate. Ortrefaction by w: Means a brotatilible



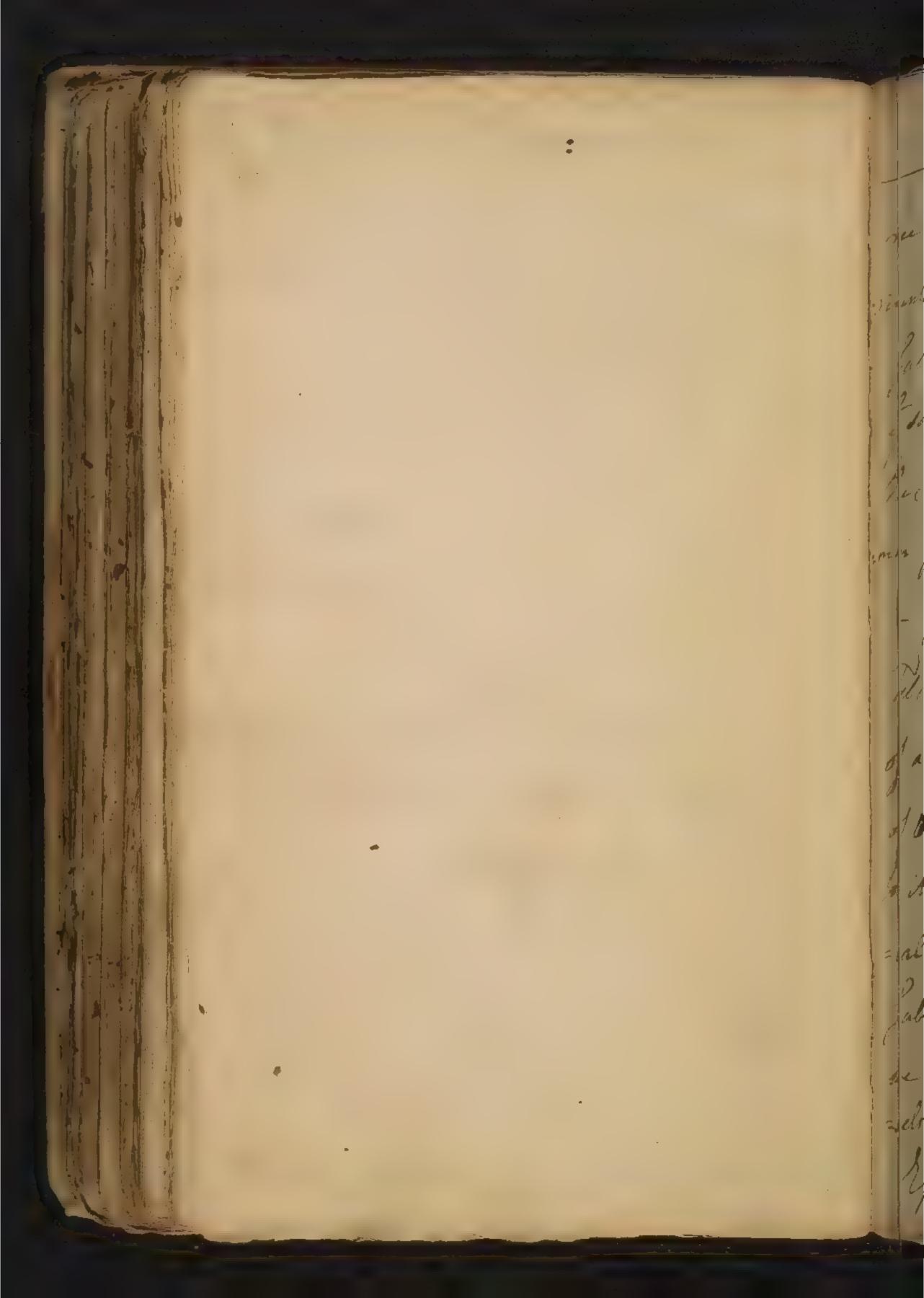
Discases of the Moso. 413 me an be evolved from the animalfalts Mut when this is the ase, surden Death is immediately boot on & the Patient holonger Sucomes an Hiject of Physic. But of doubt whether the Prisons to induce this bolatile alkali frather duppose The operate on the houses in such a manner as to induce a Surden Atonia che gion line to establishing our Things. Linger this from a Practite Which har of late Coltemned in France. ewing Cusums of the most reastal Kinds of Poisons by nothing alse but a free lesse of the boli Uphanie. in the Holow in these lases.



Discuses of the Blows Let us now enquire atting Present en numer far tiousally after each of thim. - finagin for of from an everyound in the Brody! they are most of them the Consuits of last, for of it au pre: sented to les by parture. Pure is but fore of Fren in troduced in dutte quanti: tus cio lo remain un our Mood, except the muistifalt. De Prourtisave Luthon Lid four our man julk was uncharged by powers of the Geonomy. But finow no Foundation for this Phinaves frant A appear in y terine but in considerable quantities. The derine is a



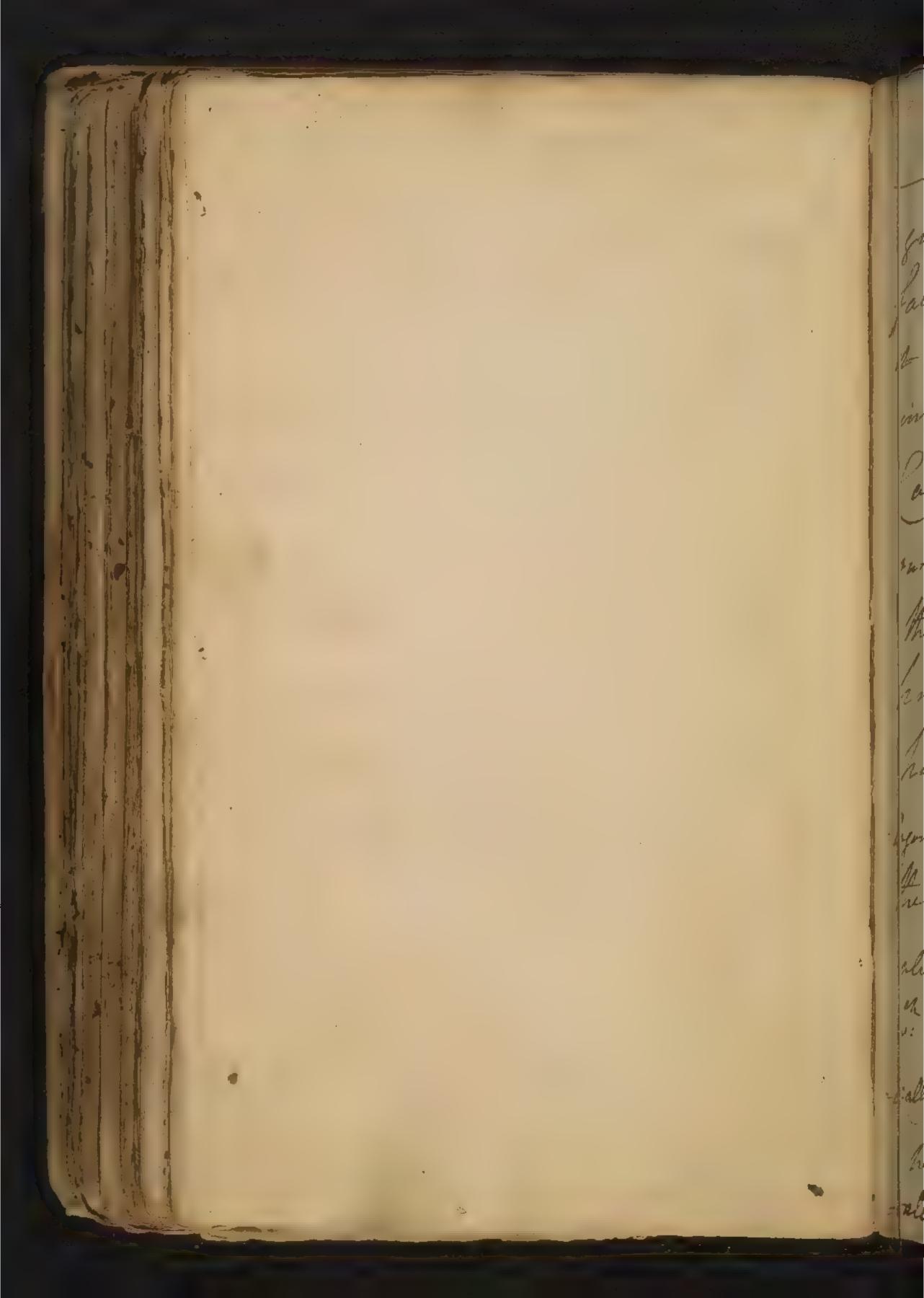
Discases of the 18 wood. 14/5 compound frea for abounding w' many fab. stances in: Premistry has not yet aserting tid. Brangrafi beto har made many Is pariments on the Arine, Hyet never formed and thing time communicall in it he found indust the falls thereis! former themist historia for Common falt. When the While think we have no proofs of the lusame of Common fait. in the Bland within from its caused or forts. In Jambieus accribes many Freezen to it which certainly frag be - Altho it is taken in in considers. the Que autities but duch is is nower of The Ly tim that it changes it after it is



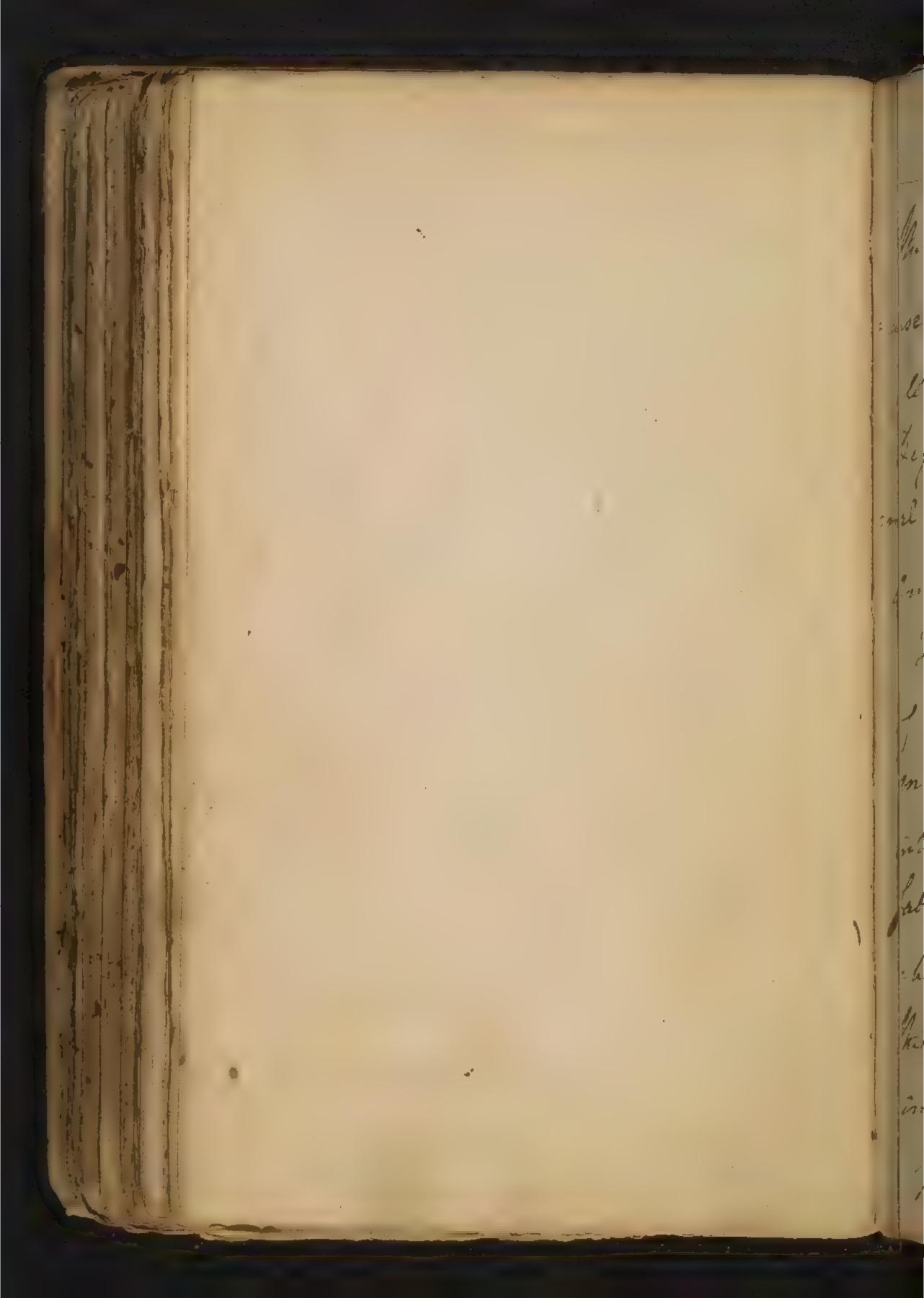
Viscases of the 18 love received Binto the Body. In the late hope riments en frame teach en y: muriatie felt may be changed in to hitre, in y dance manner such hore the prower of The organia are eachable of eleaning com: men fals into finte som unioniacal fatt. - Jean frukhen here is no jalt mour Alvida compand of a fined Alhali, or of any of the four deids. The falt thin John Filmer. is of a harture puellian to trell & replacars to be of y aummonai. cal kind. Anis we proof from Lowh a fult always it peaning in the Unione w: we are formerly flowed in the grood self: sels of animals. It has been called the Apantial: fabt of Univer , but it maybe

the This falt is Common to allanimes - here pyetable has a falt sikewise 3 a fall fundiar to Mill. 16 1 Them then Bles hour hono happenvery sudden in they may buanion y pudominance 1 1 Telt in the bolows.

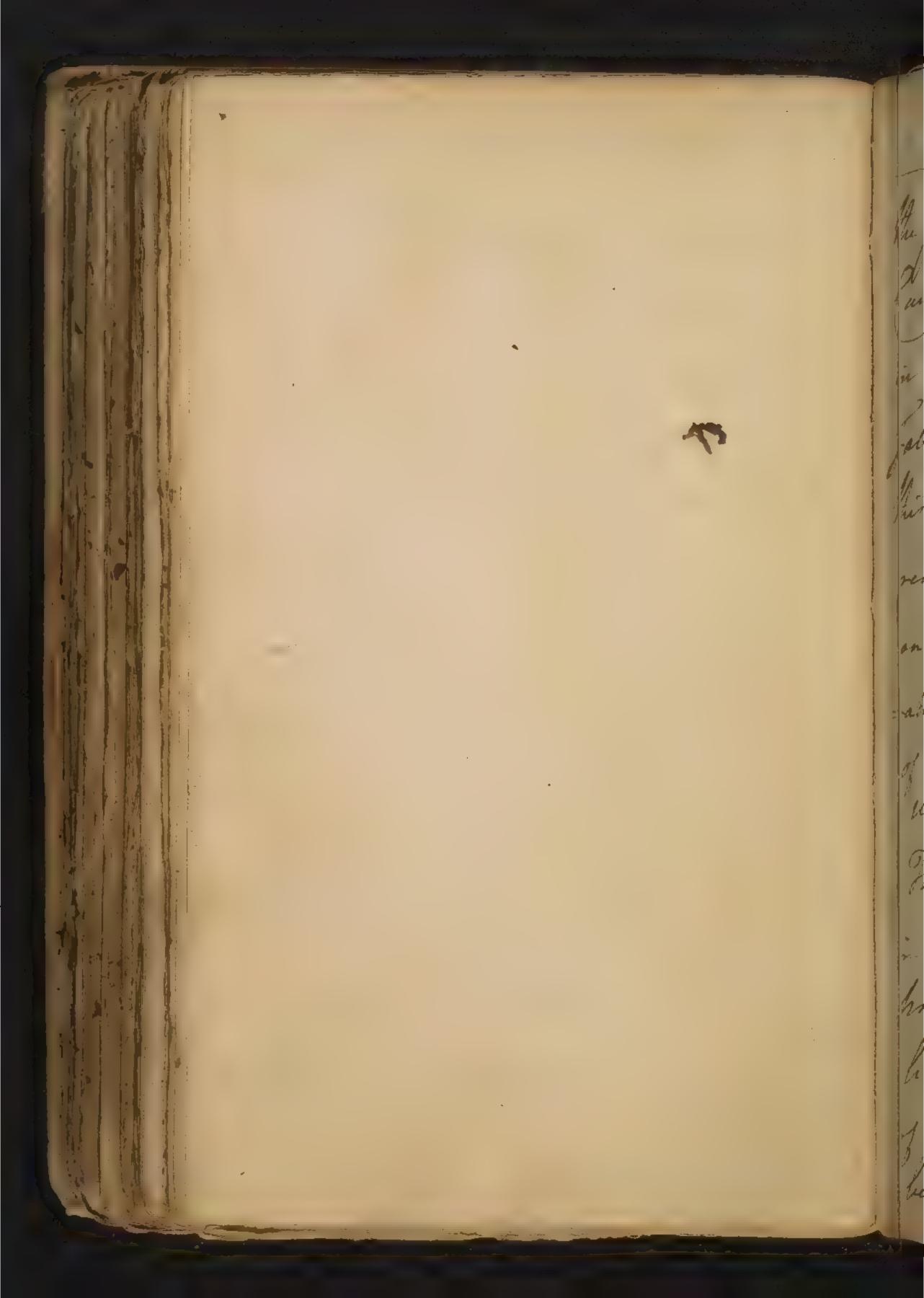
Diseases of the Policy. 417 w: equal propriety called the Usential or grative de Ariential de Sugarbius \$316 Who from his heurate from . Der in homistry for printed out this only Abreve a hon. The Chedominana Price. : fore of falts in our Filmeds mustains ways he attorium led to an exceptive blum. its of the demonated falt. This has up in Juan tity may refrand whom an Internet tion of the daline here: tions of Arrive & Perspiration. lent as There withernate do essettly wi how low other Jungin no verg mentidenable Fiscase can arise grown their facuse alone. We but Thurson call in Alter aures to anomation to it. De Gambius duty noves with many



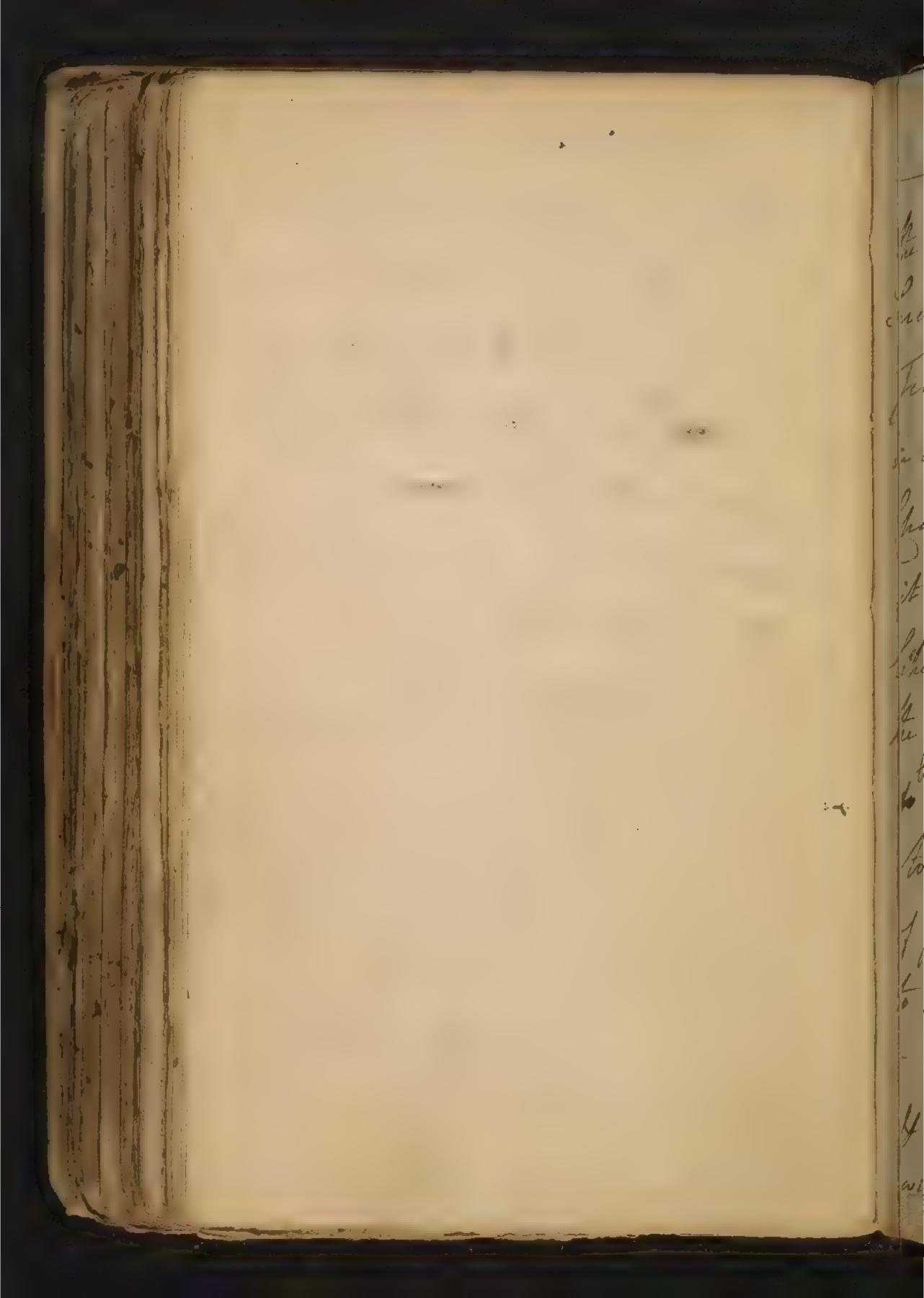
Discases of the low. 418 five this judien Aleundann of Americal falt, But we that down prove that il- delenado apron a constrat lindo, instead of an hough of them it in those ares where the him monoical salt of about of about the about the same our Adord there is no better for it has The free less of Rieds. Thetagachin we now always evolves, falt of y temmon: Rind. how we know down thing them lagenes to l'estrepartien is joins formered in The animal Geomony. But this Cute faction always Hope at a certain fage in whody wi is occurioned by fresh abinent citus reially bliment of a Sugetable harture. The want then of Supetable aliment haten willy gives Plise tot the Generation of



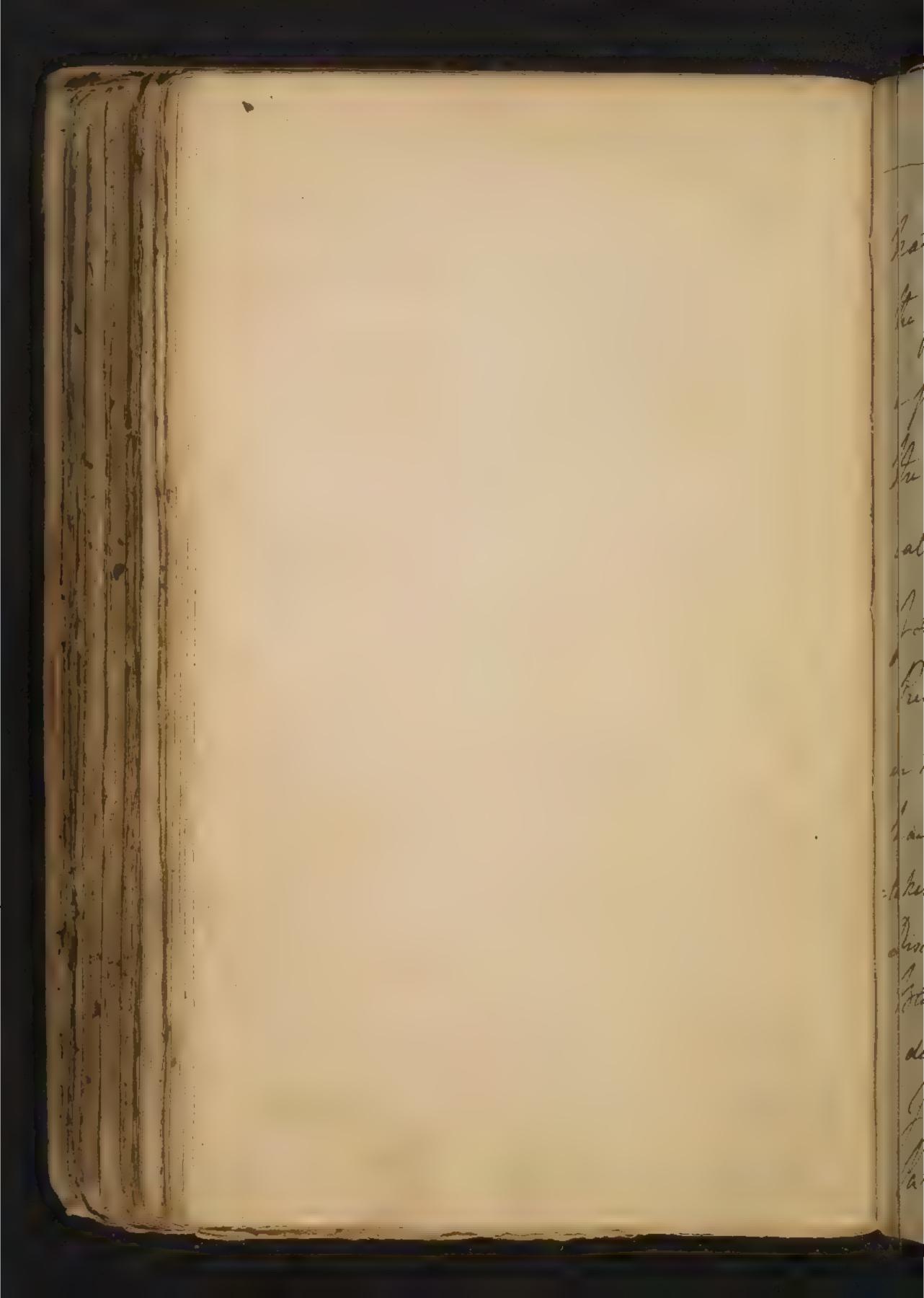
Directed of the Afond This immermateulfalt. Alle homence ine: : wire produces the Same Hat, as also all lemanal judgtamus wi and salvanus any Legnee towards l'atretaition, even Ani: mai crood itself may the further this Ammondien galle in greater gu antity. To the relumes of the juperalundance The Ammonaical, alt in the bolow we may als Taline Matters in to dured into the Body more estruially funtal, fatte which by the power of the fightingene changed in to an hummonaical fast. When This dec? The free less of all maries men, introduce this fall in to the body by forming a huntral just wi y level of



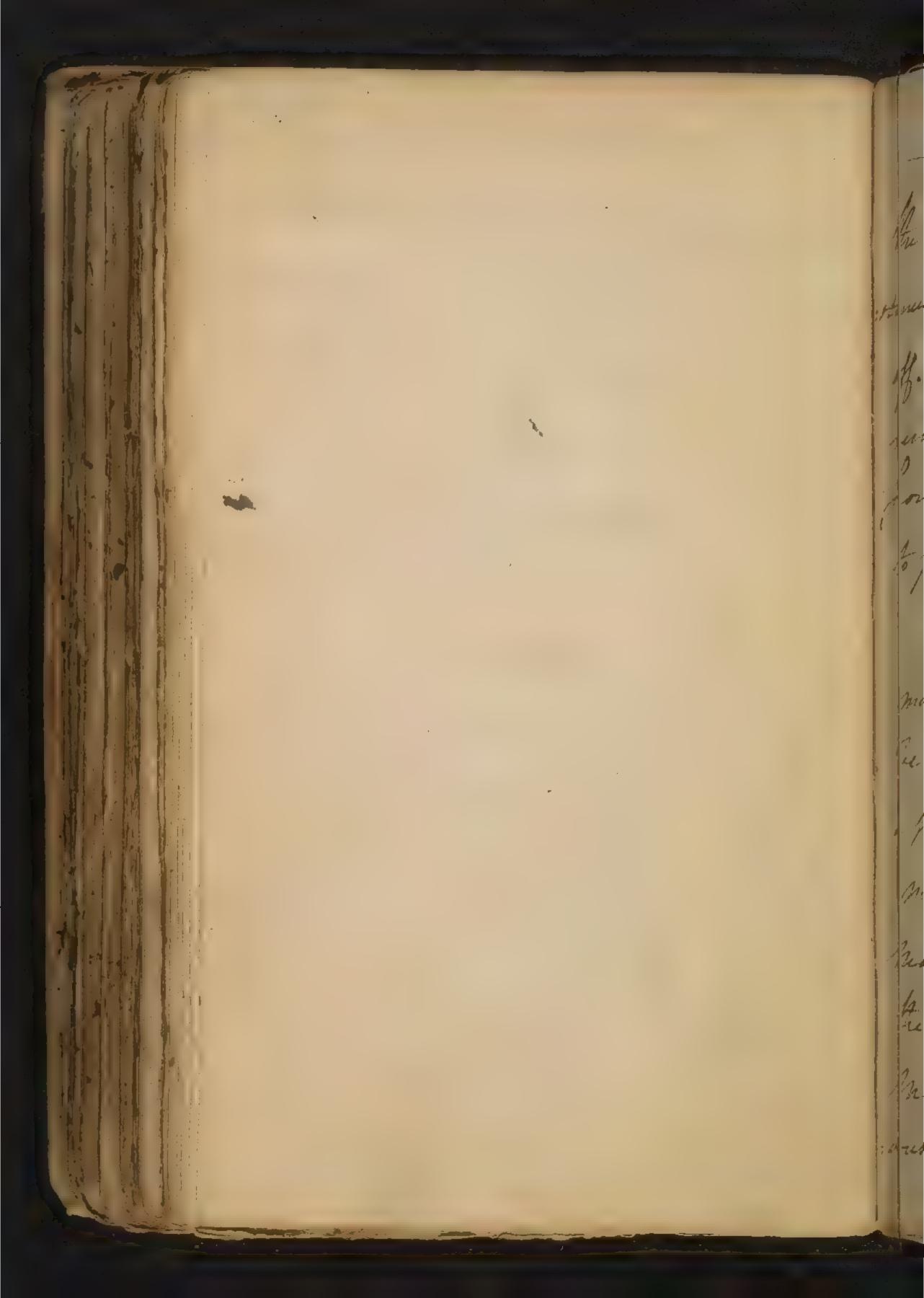
Diseases of the 1/3 hard 420 The Bonnach. But the most frequent (unive of their term monaielle levi money in Cour Poton is the less of a commun. falt in top peat great hier . hour This you will easile consider the remole l'aures es: unes live in bringing à on the Teurous. big: Without to Conshi: : ration want of Ingetable oron, the Use of animal From alone, It the creative use of Commanfalt. the Presence then of an Ammonais, all in too great quantity constituted that proximate france of the Pourry. In may likerischen understand the harmana of dipolico Mario Holood from wi how been d'aid, as depending entirely whom



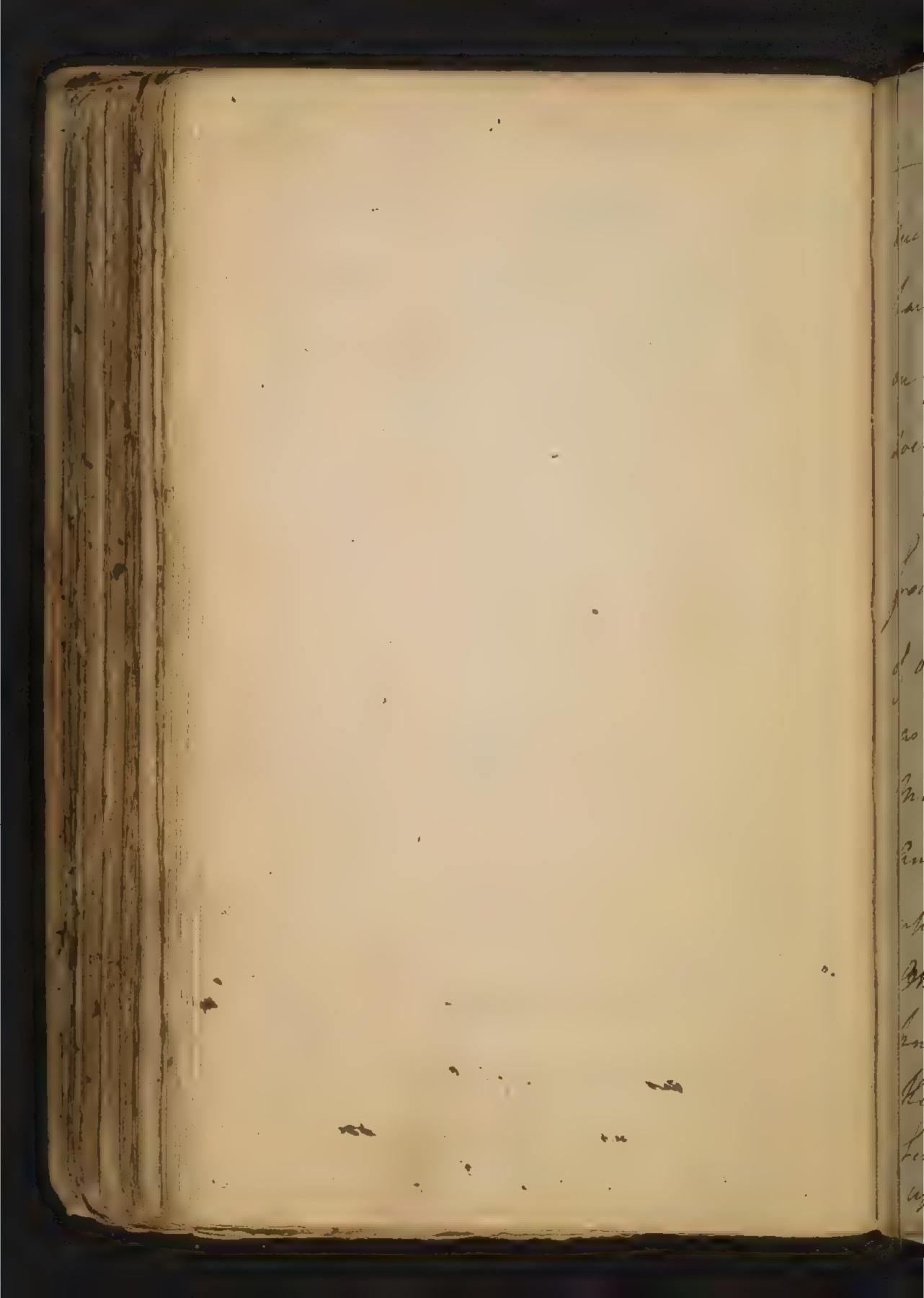
Discassiof hi hobord 421 The Presence of Summanai Eletting: Turum of the Holow. Fur the own of Jeviduti Catienti has been drie tobe in a puties plate, but it wants man Charestery to constitute it such, for it is not produced by Grennentation ? The all ofther putied the afres, nor is The Disease contamous with would to was it of a putrid hatane. to this pmay add that y from of portutie l'atients has been found to be a most powerful hartiseef this - The How proper of the Disease If the me any Lymptoms it is attended with, all show that it is not of a putil



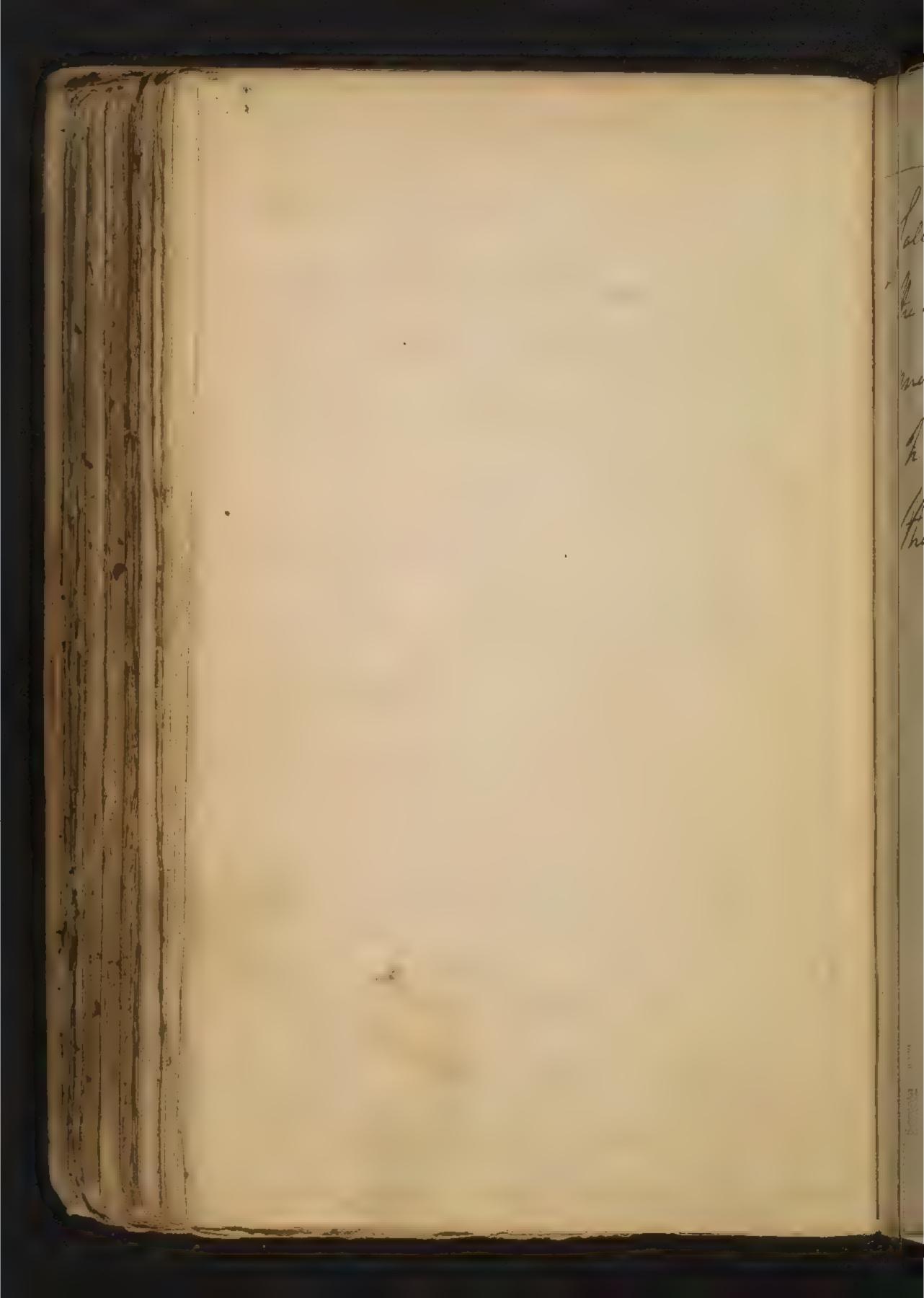
Discases of the Ashand 422 nature. Faffirm then that the Island in The fewery is not frustrid but may have a putiesunt Tendency. This state of The Aslow has linewise then been called an Alka ascent ftate, but as Graid before we have no prooks of the Presence of an allhabit in any From in the Potoro . This har monai faltiere have been talking off has hun his? taken for it. I Gambius amoribes many Dinasas to the alhalines flat of the Polovo Lee \$311, but the many will be derived from Cother James. por can allow that the Mood of jourtratic Vatients is in a funtement thate from



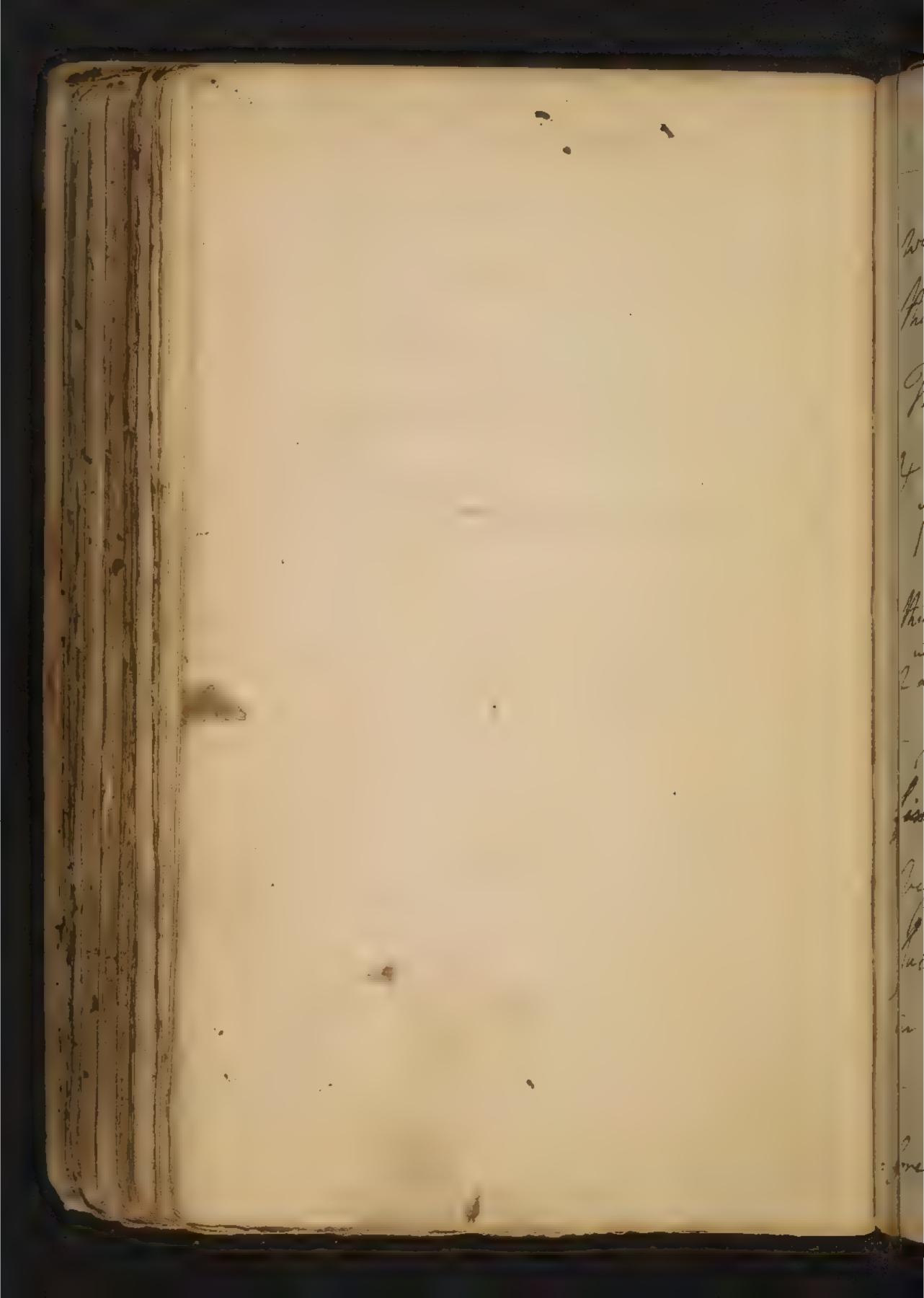
Discases of the 1/2 land 423 the Leguments tuhun from y incum: Hances of oreomentation we before Shope off. The amone full of the Blows resists Cutrifaction house the Caason Why feorbutes Patients are never Lulignt to pur mo Lewer. Contagions operate one difficult. most of them produce deman creekt theren. Cuneras. all there Con tagions are of modelied. Some of them produce a matter of a puntian kind buch us The Jurall poy de Mis moduce a Matter wi Operate chiefly on the hero. vous fystern only, & others out forison in



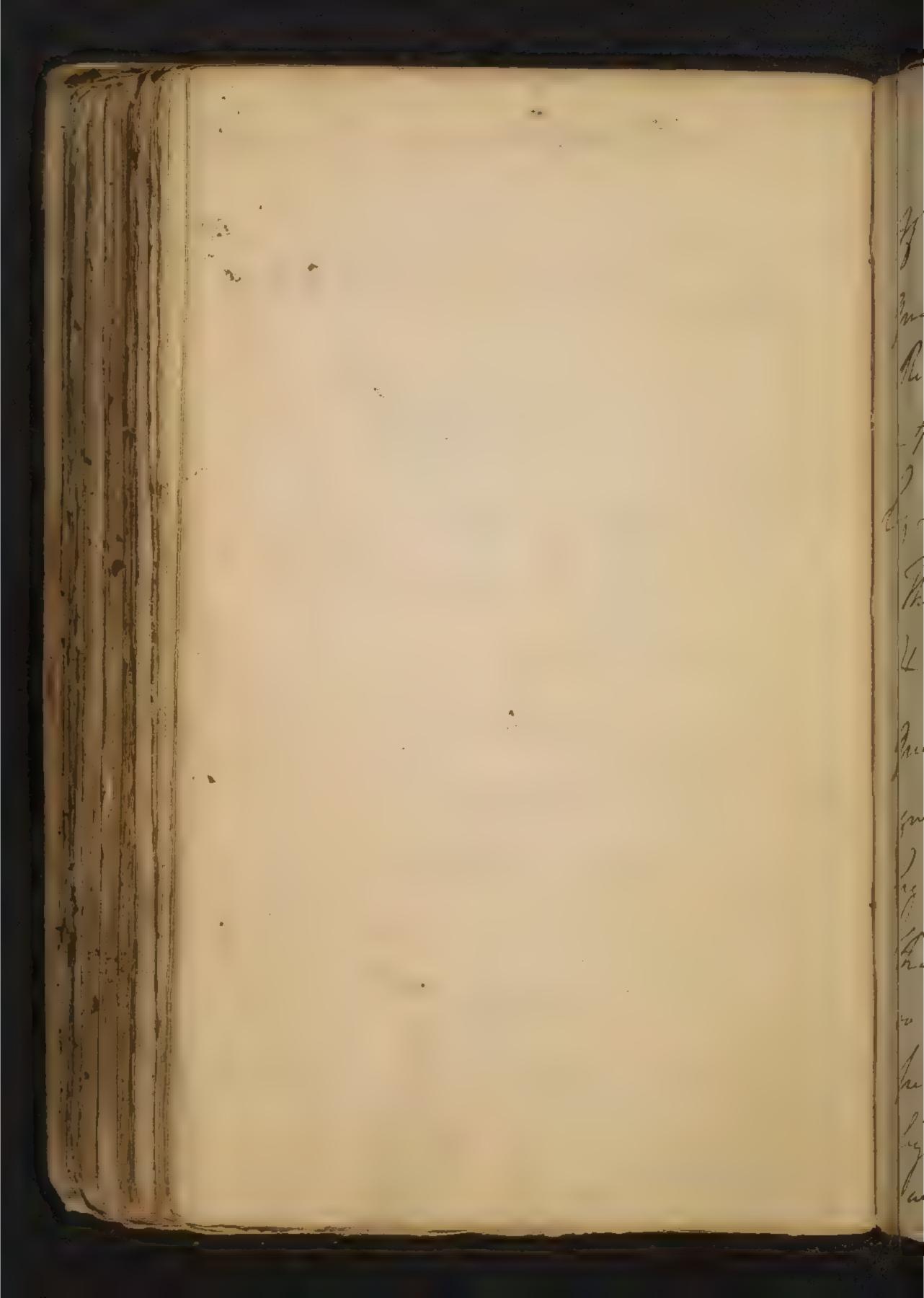
Fis eases of the 18 hord 424 Such a branen as to make with hand to tete on Whether they beneate on is orthing or joles. Tout how for doen the Cutathetien go in Jun Flacor? - This amostion cannot be reactived from Bur great fignorance of 4 haure of our Fliens & the Mature of Putachion, as well as the Moores therated of those medicines which are desprised to actions En tirestaties. I might have to combefund whom the Mor lid Iwintwes of early the Other Filmin of this Porty, but as we know do little of their ardinary State of Health, as well as of the frature of upon this judget. It france us has



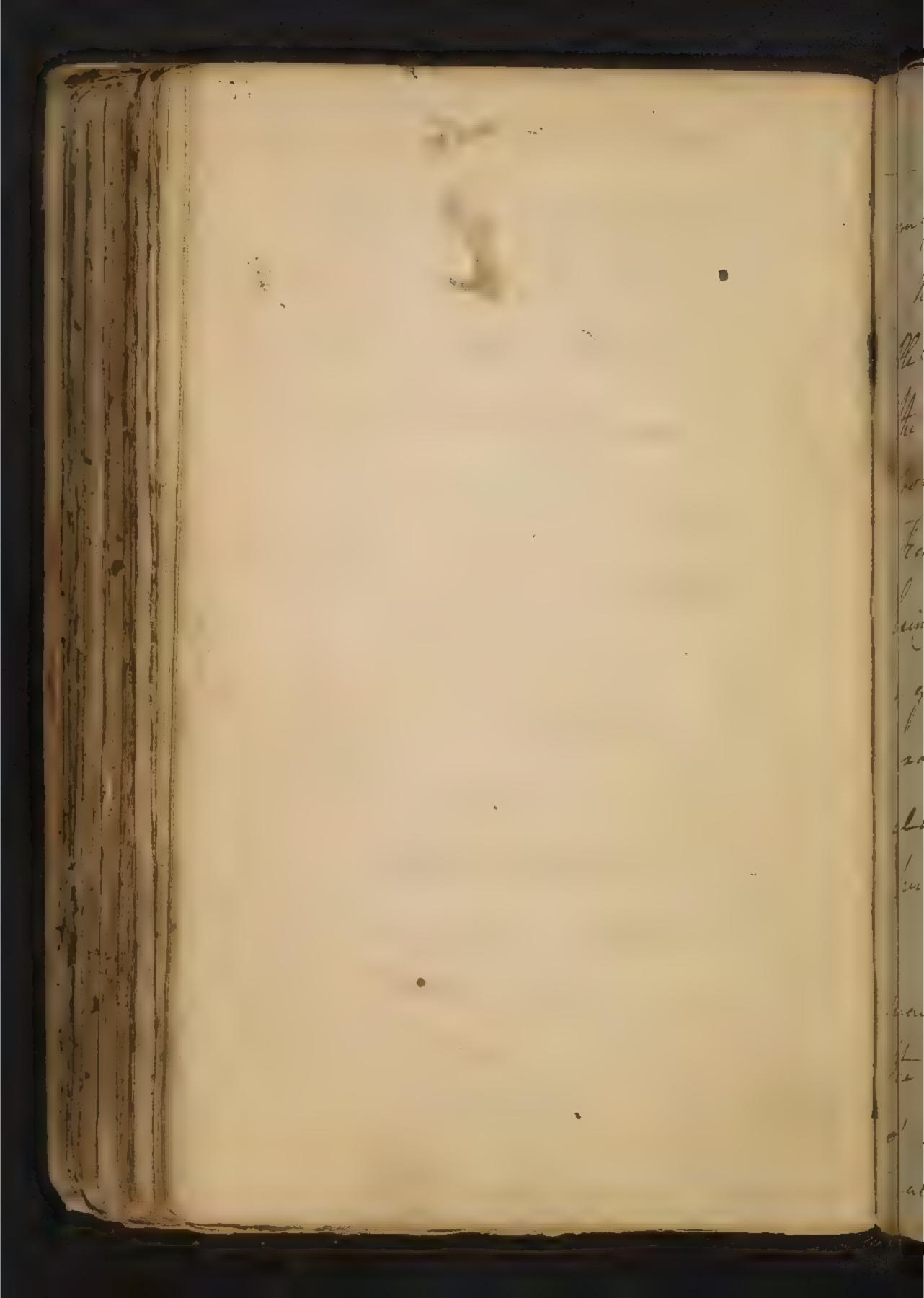
Diseuses of the Poloso. 425 follow into more in heating whom
the Biscare of harticular Fluid io: ment of your terray carries details. There have functuoed the Catholing of The February considering by Themselves.



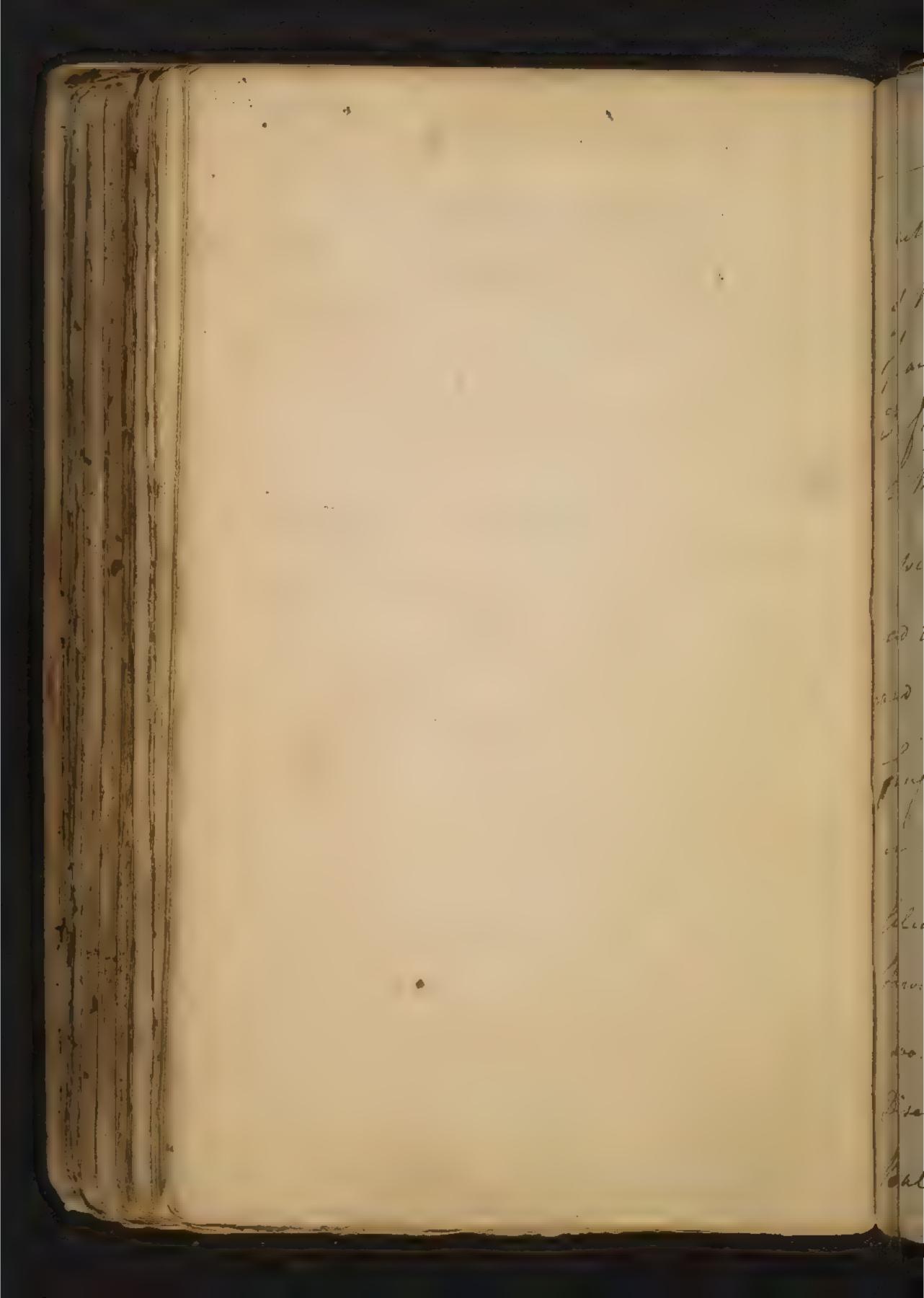
Relative Directer of The 18 6000. De Itale now so de to compider. An Relative Diseases of Finiso. The Feluis er in finantity, place fr motion. I nuantity we that contiden This Enantity and relative to the of hos the Las to to the actions wi won tain Themes - whale consider he dast duly as the fish has been hinted at helove. The Cochols containing Polows are always Jull by Shotahed, hence Mod are assen in the living the an in the dead body. The Mood hypels are flexible IThere. fore may be mou or lef the this.



Relative Bisepter of the 12 bon -127 If the Depole zielde to much an ower martity of the and is produced w prices Olise to a Disease valued a Milhora. - The Prevente of this has been called by Limtoand animia. The luthora has been much studies I many ou mo applied to it. a prester Quantity of Filian than is neuplane to gree on proper dension to y Epitens incalled he Sterebius "Pethomas molion, but Think w: little properints, - When it here was to much as to frewent the Franching performed w: their usual lase it is called by the amients Alethora ad brice, hut lace shall tothe no hoter of this as it is



Relative Diceases of the Blood. only a higher Degree of Mathora ad basa. But Julius makes another Methora called Me thora as bolumin wi is when the greantity of the tolood is not energenced but when their Instruments enemeated either by y expansive terce of Heat, on they Internal prepure being taken off. This is sufficiently evine of from a great trumber of Isperin made in an exauster Receiver. But this the thora must always he tem purary & can never-give a jum maneut disease. hnother proin of lathora how here marked in w. the Grantity of botume of The Felinds continue the same but y (a with ealerd "Methora in Spatiens" this cannot



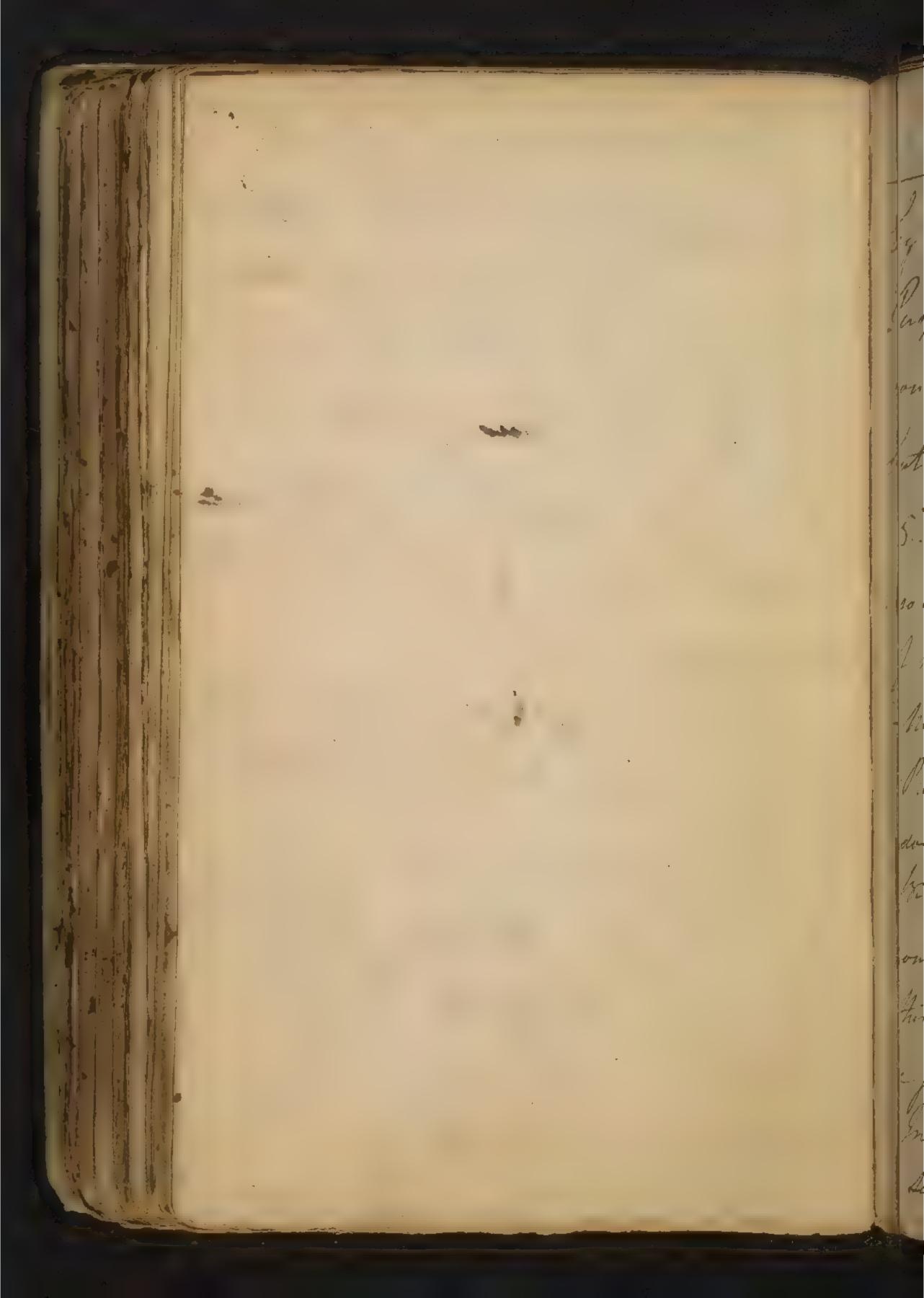
Vielative Diseases of the Food 429 act universally in the fystein do y : 9 Iffets of this paties of Otethora will only a feferon inc particular portions of the Lystein - the Rethora on followe amputated Lines may be reduced to the Alethora ad floatieurs toe it all begin by considering the Plethora ad basa or Pletiona busa w is an energy. www frankily of Mood wi Regard to the janguigerom Lystem. The au daily taking in The of the bright of the their Isody in plinent. how if this was not immediately Farour Out the Grantily of he hinds would Avoir be encuesed at to induce violent Diseases, but their is junerally a due Vallance Rept who between the myester

from of the last is By and to & Resistan. aces it as the At loss is hist absolutely con line, but allows the tolow to hup any of further theme must be a hired of my Poullance Letwern The Executioner . Lino. I male artimes & the quat befold and Heart. Ha me ady properte was allowed into the treises the Centeriores Lysters will never be ditated & exhauster of the heiser wing to greater in the Begins of Like these that of the action, & The Presidence of the cary to du Atat these du greatest at an

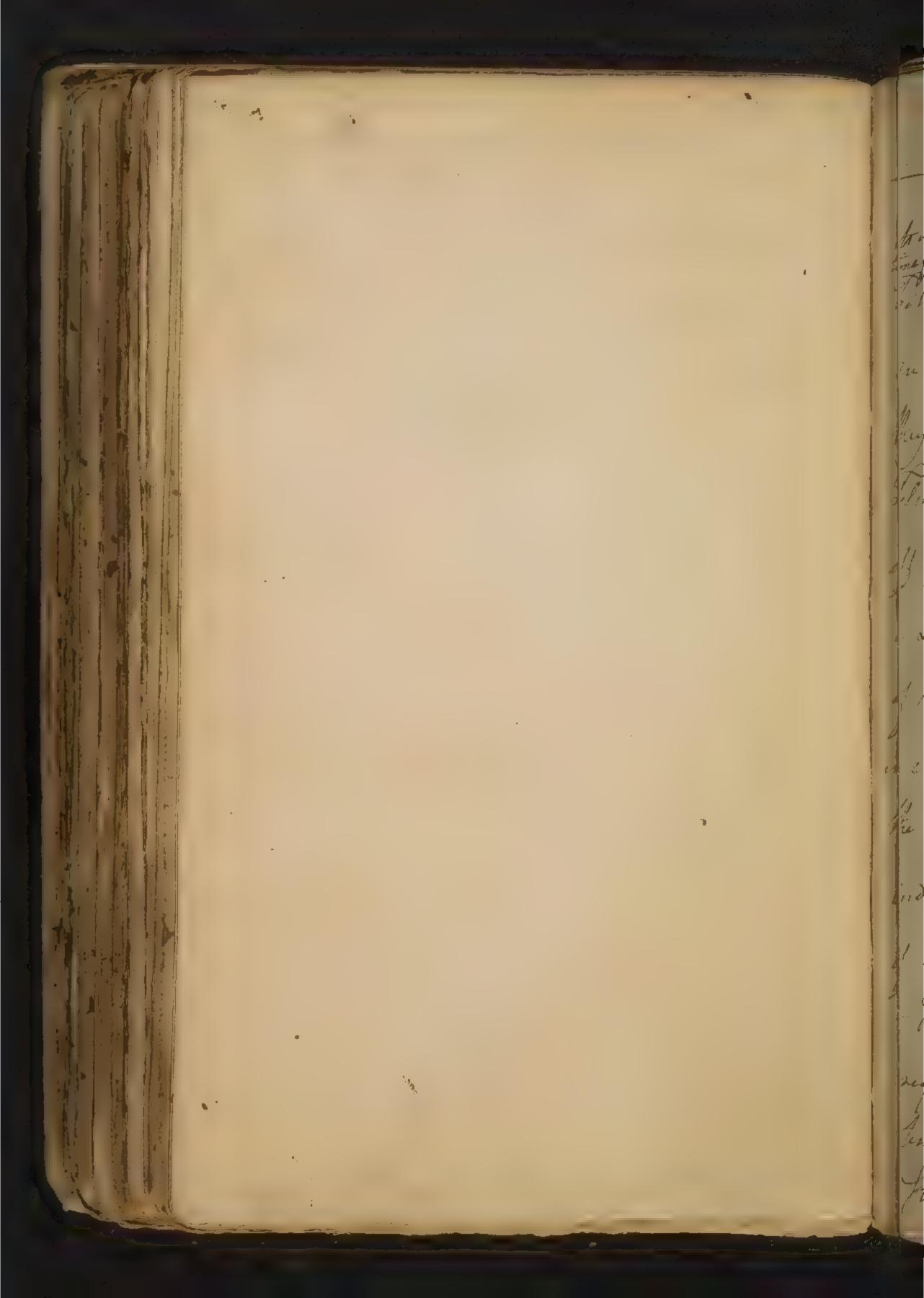
Melative Discares of the Blood. 430 I bresta, if this is deshaged a Mathemarile haterally duceed. The fyrtim itself is at Continuation themes dispers to this page andity tele lutive en the Jugesta & Prese ta . I formery has in lained frat an Coursesulation of Felicity was mentione to the Growth of the body. This 3 line. Reconsultation factofrens per fin y Perticions Lystener the fangerifermortysteen with whom It is acted whom as before the Body amines at its home all Methoman Enterious 114. 412 Nome time lefter that fining the come benows. Unsele this fine termelie Recumula. tion takes place in the being Blusity the follows hum as the Reason why thewhle. pi Grow fat most ju briddle læge. Hu balat lance of the estim will vary 1: at heme

first, & fruit the toallame will be con strantly champing as the prests and helder 134 Il the ali Lation wile always he in them the Tracts of the laterious fystern we are most and Distant from the Meast as heins weaking There wire the Frome of the Mark Hange in proportion of long as y different in à comiède de méteralité. Leure les Ifferthe but the beame there is a recide Willton a fratium, 2 the of the som Ingester remet defend all along on the to a Rance of the Deins & Reaution of the Lanctories. Es tre decritories all . 2:4 fint Themed we never Suppose They require revisiting France, be do we find they do . He.

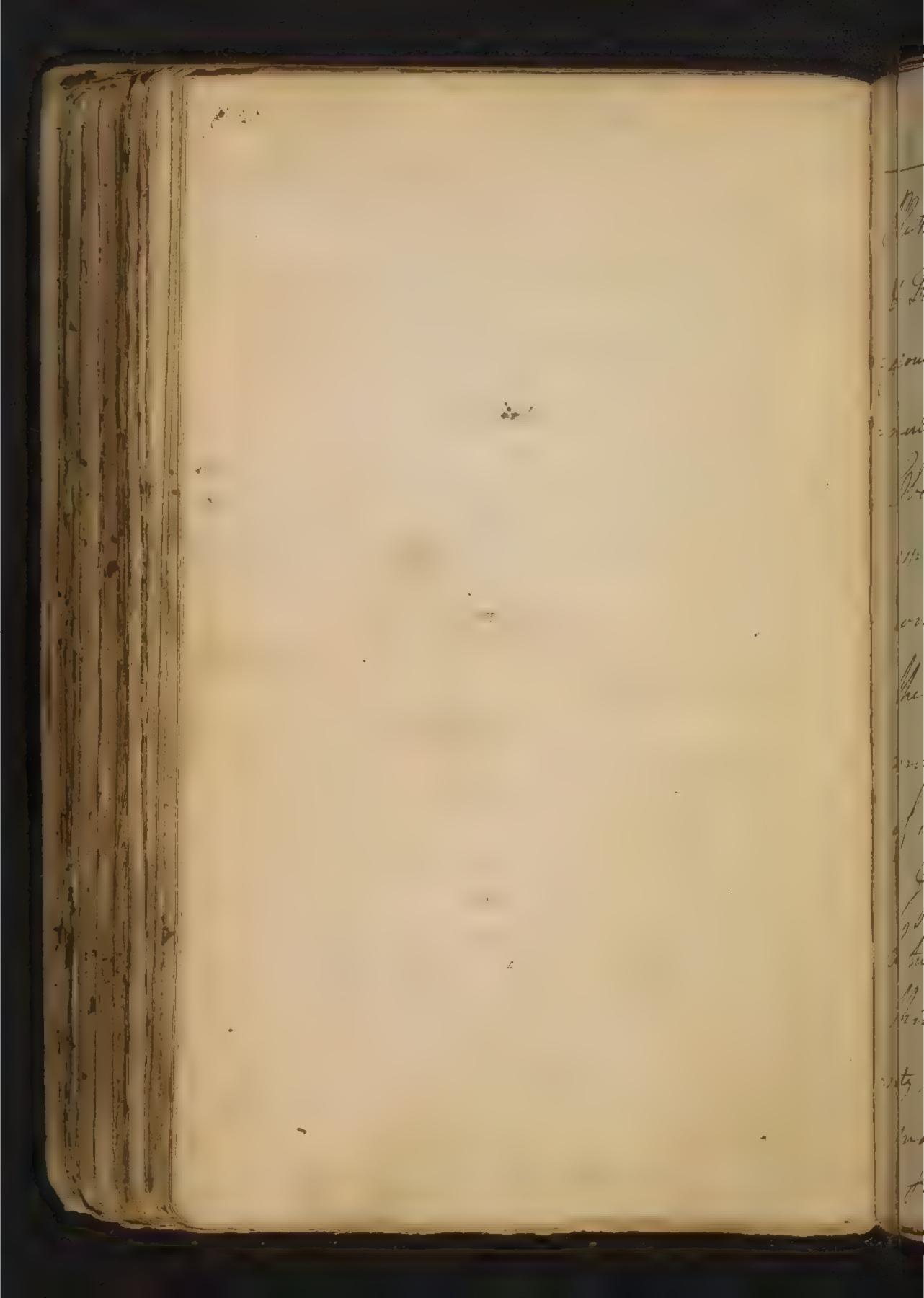
Lucia Relative Diseases of the bolood. 431 while I man how wir about 36 3: an intermediate in the state from 36 to 50 during en time men. re thet trustion ceases in bromen is From 50 upoward there The Becasional Curses of Rethora there have never are in larger proportion of administration of administration of administration of administration of the second than in in joined with though the Bry left water Bryand than we propose and tony trapels. midt 2: bleshert will, always indu the stringle 3. Eliment He heing given Pethora will defend upon Hereise, for the left of this is used the lefe the Trens trivers are & peater the businelation. I Cold wi may not in Induing them



Actation Discuses of the Islood by Deministring the mentions especially Enspiration. These them are it most commonly man hed ause a of the thora but we must ass to Them. 5. Wacuations. How do these operate · so as to induce a Methora? - The Tracuation I refer to here is Astificial Bries. letting. - Northing we know Differes more to the Morin tate than this. Small towoolthing don not produce Plethora do much as whims Action Letting from the Disposition of the Colin to contract themselves. But D' Gaulius hen, hushid this mothod of treasoning too fan. If we take a freing of to prehas long, & shite it and meh mone by a bright appended for Several days, this thing will not contact



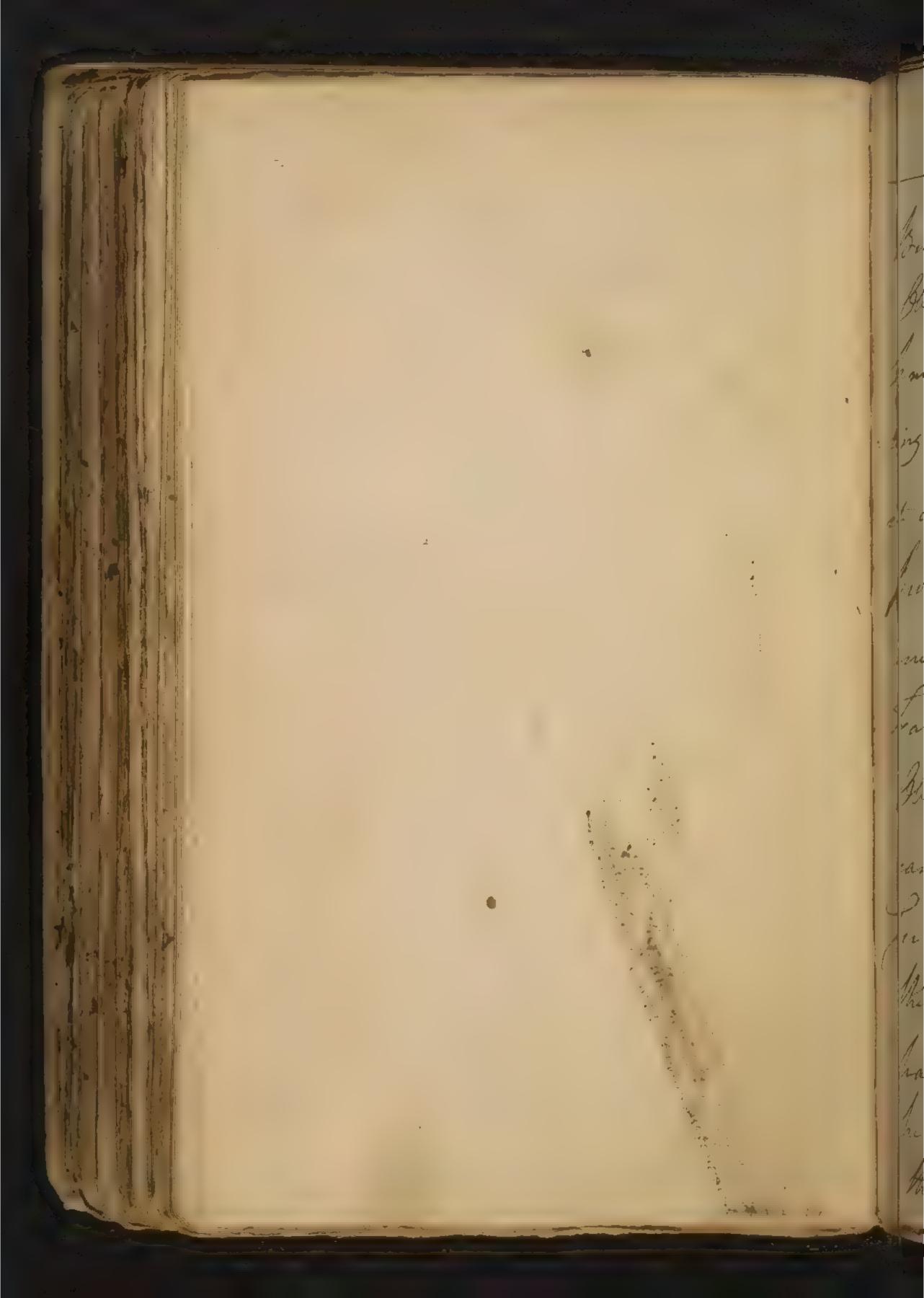
Methora it Il to its former Les gth mus it is wy. an taken of gradually from the jolids They down accommodate humselves to the Fluid, but if the Firsion is Landonly taken off it is impossible for them, con truct home. a La rity is induced. It in on sequence then of Blood. Letting the Heritality of gladenies is essere a sed while the Exerctions continue the time, by the is means a Chilhera is induced. It is owing to this that y Lop of Tolows in to down regimend by you tim. - The Free times by means of 1/3 Cood - Letting arquire an emercaso contraction which Jande still further to frome State. If y w Months do we judge of the



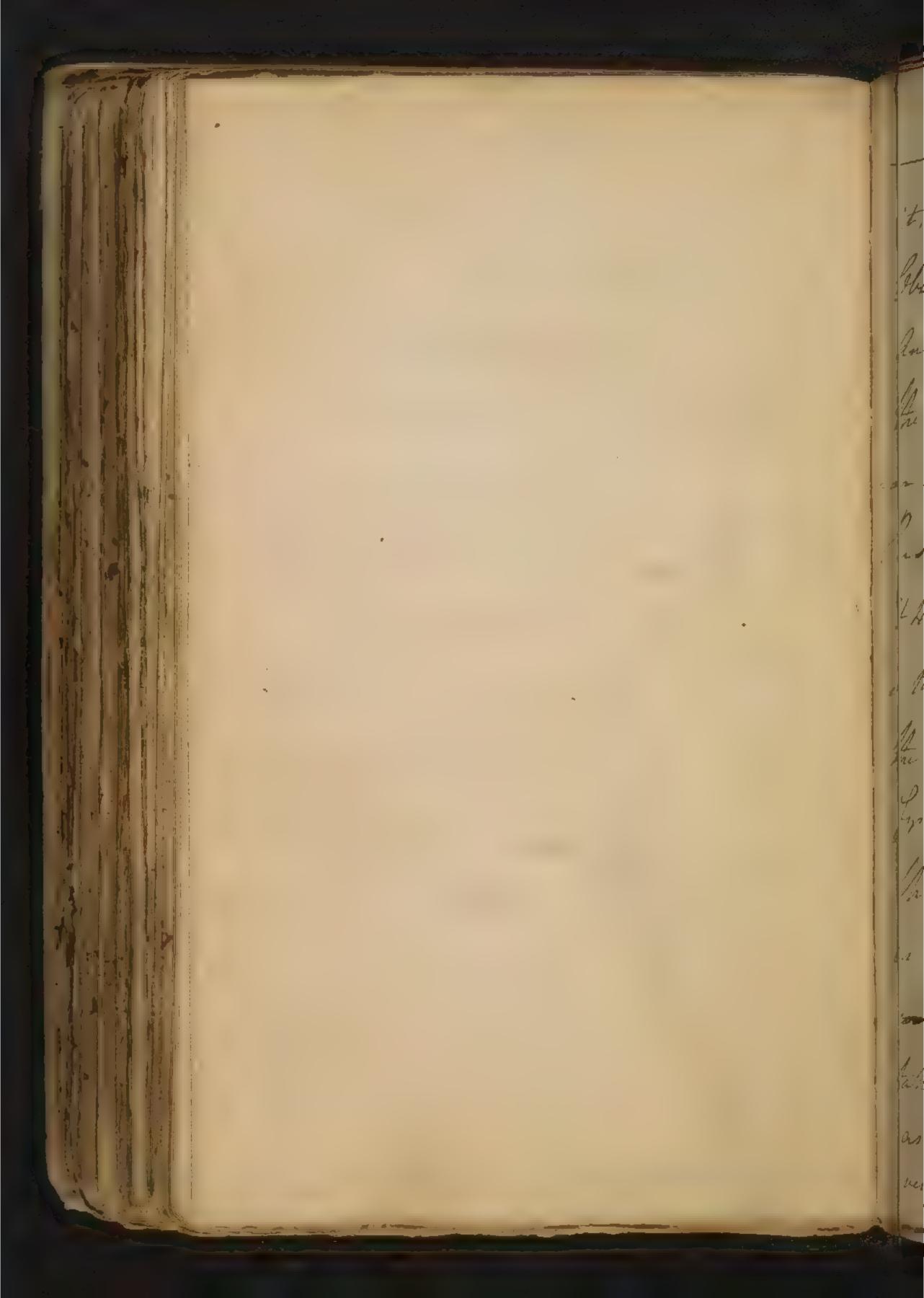
434 Memora At thoris flate? Be an afthaming Clumpup 4 Fulnes of the Moode. But this is ambi-Gious as it man defend whom filian acus merlatio in the lecentar fection, hence Merits Holling an Attin con founded mere or life womented to carthe Mar Ither the found whom The Jame Decasional James. Bleits itself more correcase Petion enfraisly trut prices of it wi we called tethorand in atium. I find it therefore were difficult to distinguish. be tween Chesity It Mithora. we are afit to Thinh Mily Celiment conduces towards She's its but we have for or no proof of this many fat People live but little buttily



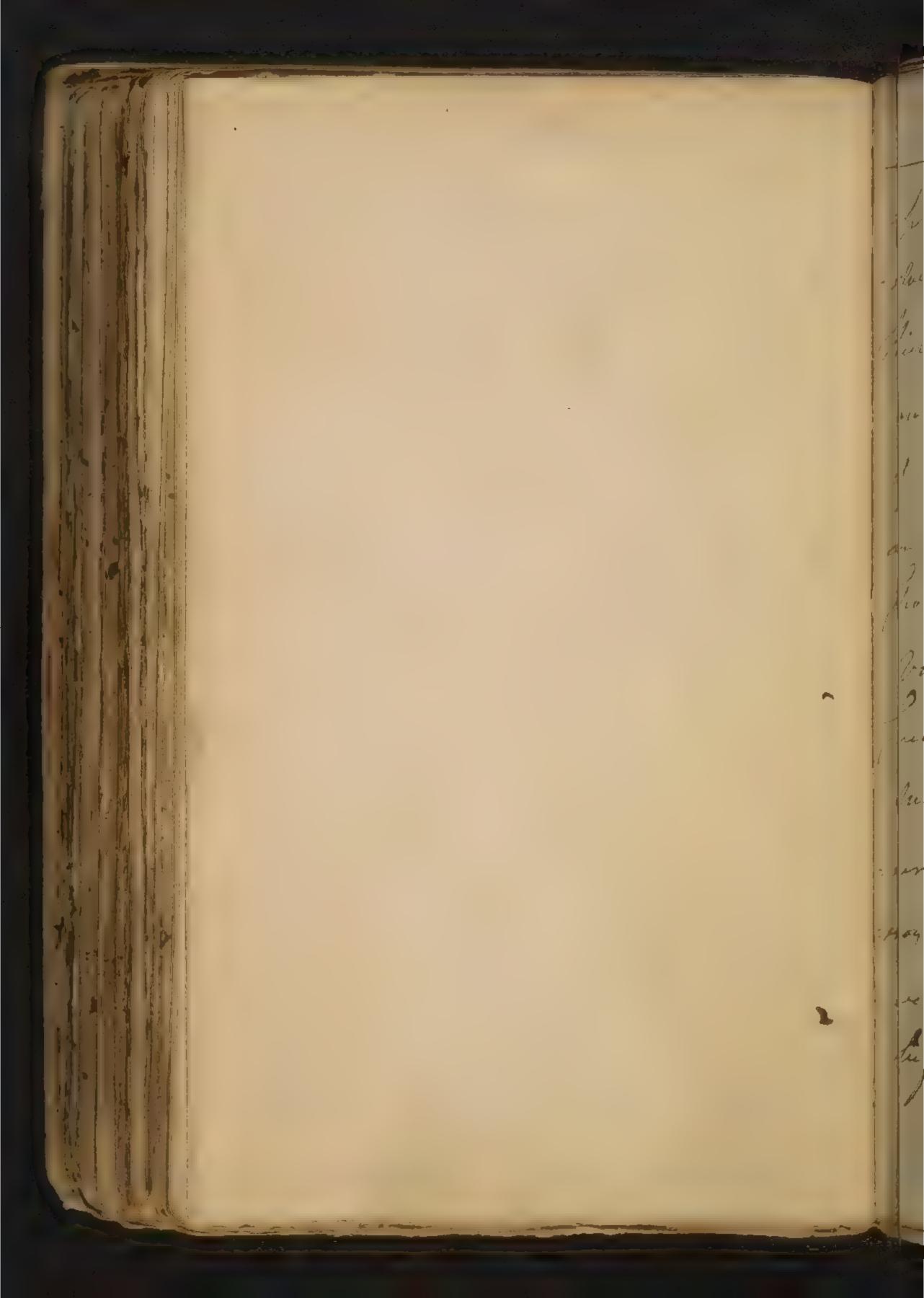
435 Plethora on an Pily Minerit Mone. To not the milating hower of mount the Took in Affrica bilg frankt gown illiment? - or man not-the Organs 10! Lecenti this vily Me the la more or les disposed to worke it Buti. Ave honor La little of this inliged that we can son but little certain lyon in it. formerly daid histor time tomin the little water of our aliment. May not an Over proportion of this lies pre: west the wo he time of this til. I may not un over proportion of in inal Frond tind to produce behevity by working and by its greater Lindency to Putrelaution ling as well as seeline Moutters. I deliver there things much as longestures.



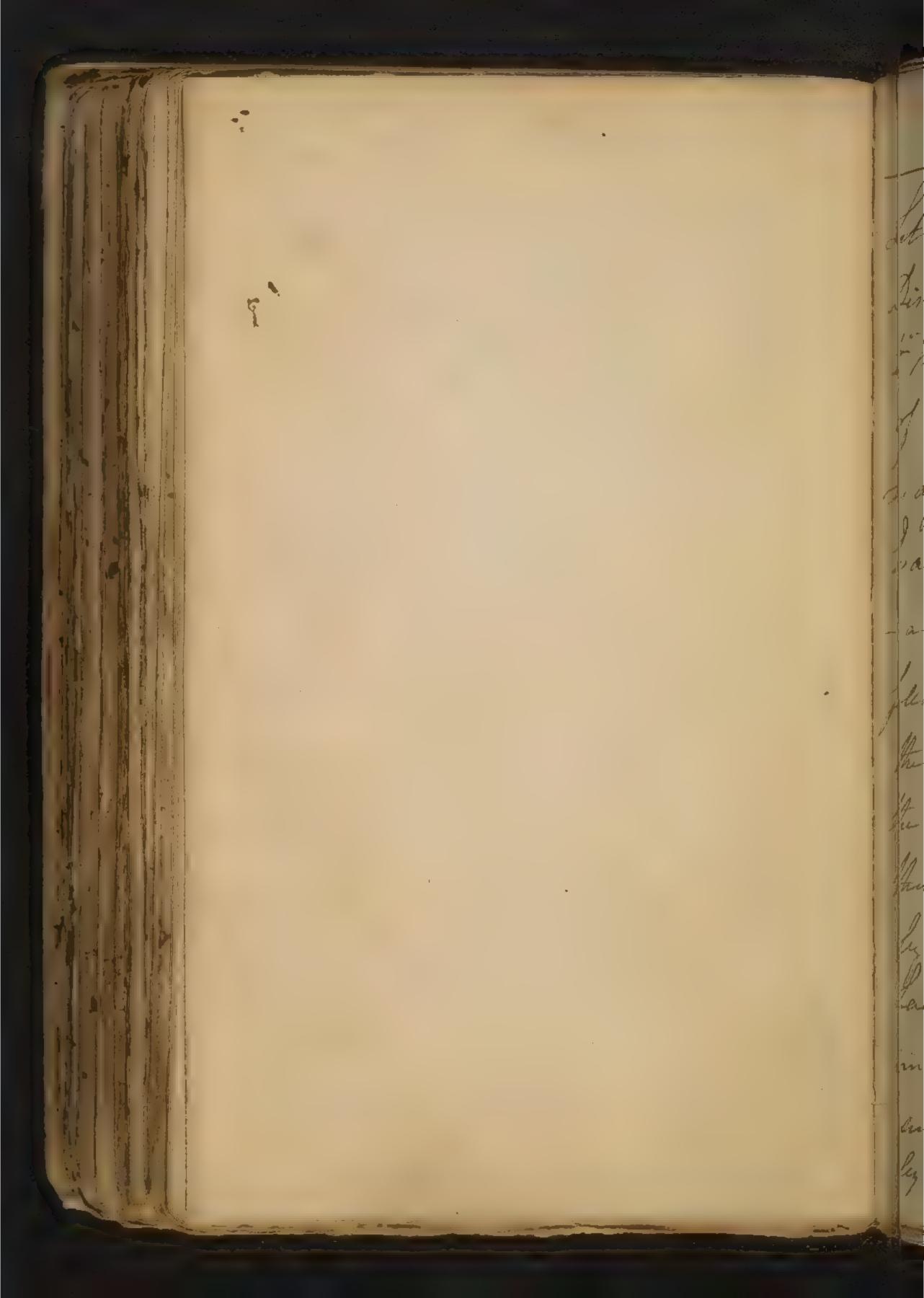
436 Mathera But we shall sech for ofthe generes of Bluster or the Pelseme of it. In ercise we Inow prevents Obesity either by proven ting the Too bution of Dil, or alyonling it as som as revolved. An institud prohable, 60 per find beereise time to encrease the Trece tions w: fire worth France fo. Trenstions timo to prevent The sity home Decrees & mitch four can never le bettered while they give puch. Blin heamations as well as This wherate in the Lanne hony. have deen Blyesites follow a jeton's heing healed whom. There is then a Ballame be the is creation of hil I the hanting



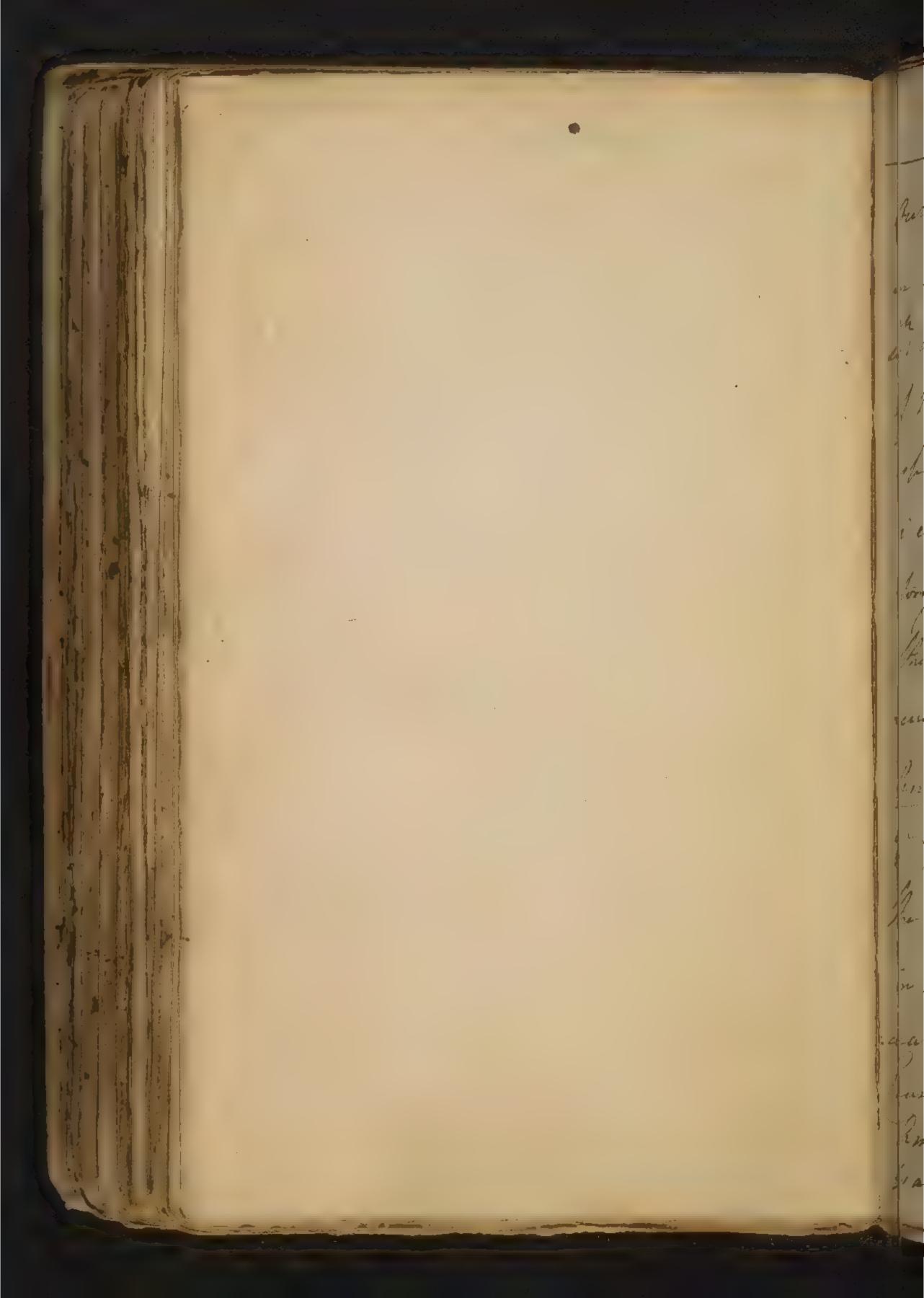
4.37 Methora it, hence then you see the Reason What Houts & Alethora are commented wo line Another as this evidents depend when the same auseo. But this is not enough. on the judgict is of the see han magre ason o grow for lump to fort the tween 30 I to. at this Charios the Retiral la thora. is taken off. It must then arise from The Prallance of the Trave tions whenous fystem being destroyed. At-appears then Man the Dishon him to Merite ararde as to Pethora depund whom the same com Bate of the pystern. we may there fore take Measures to recover Obesity as well as Pettora, but it th? be attempted very come troubly. I have know fadies Throw



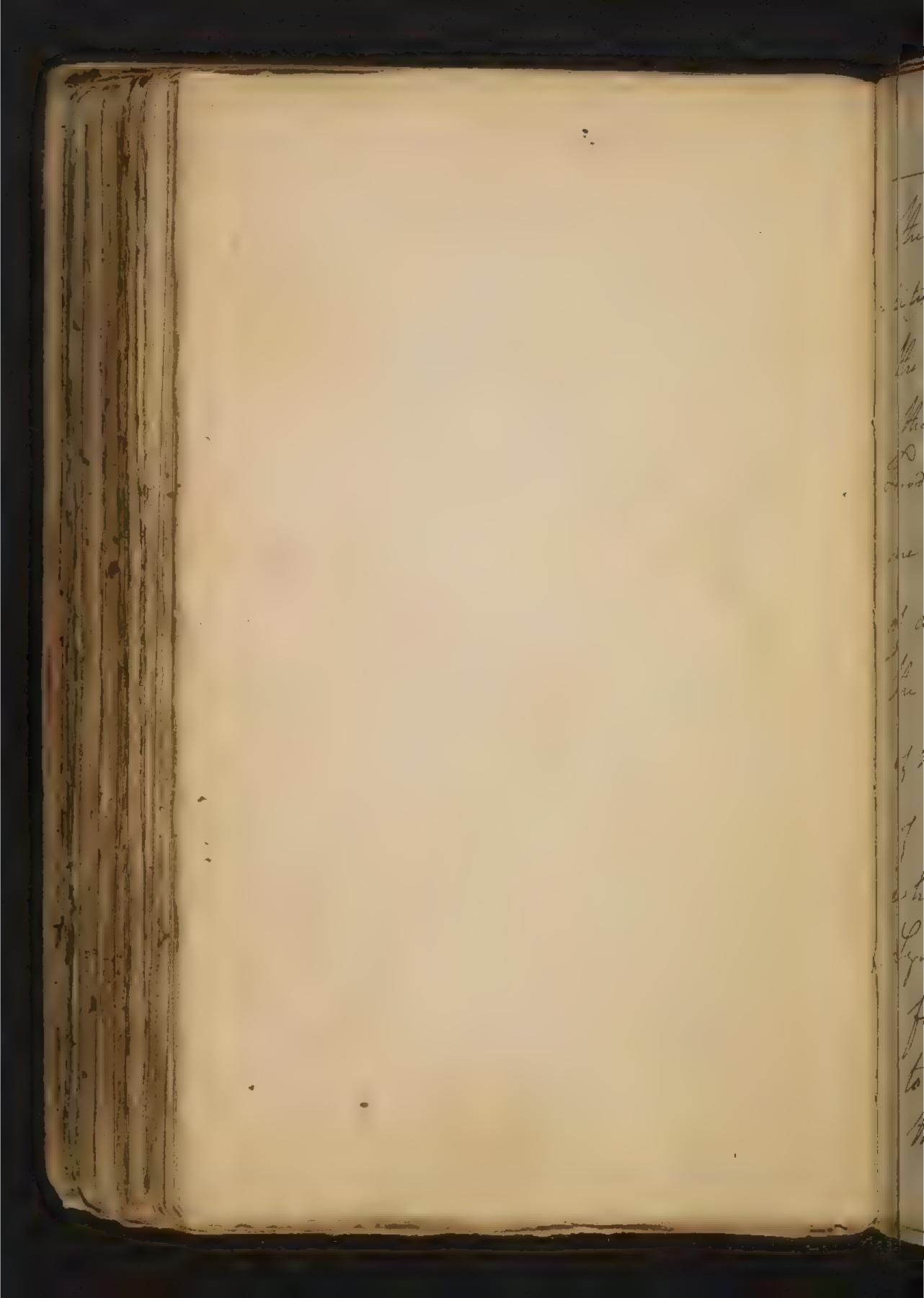
JE thora Thin Dinner own day - pringe them = Mus & Brich Fringen to bring Down There Fratt, west in all there have it int Die many Diseaseo. In Circumulance I Treveise the are only to the defended on in la hing Danen Blussite, but this houte be used is: The whenest faithing. Ornegar & pal have been used w: much a remove blusite : But free Surely afresation a were were trong man. the ame courses & the Other de. thougo the heir of the Lystem. how thate we reconcile this wi what we said



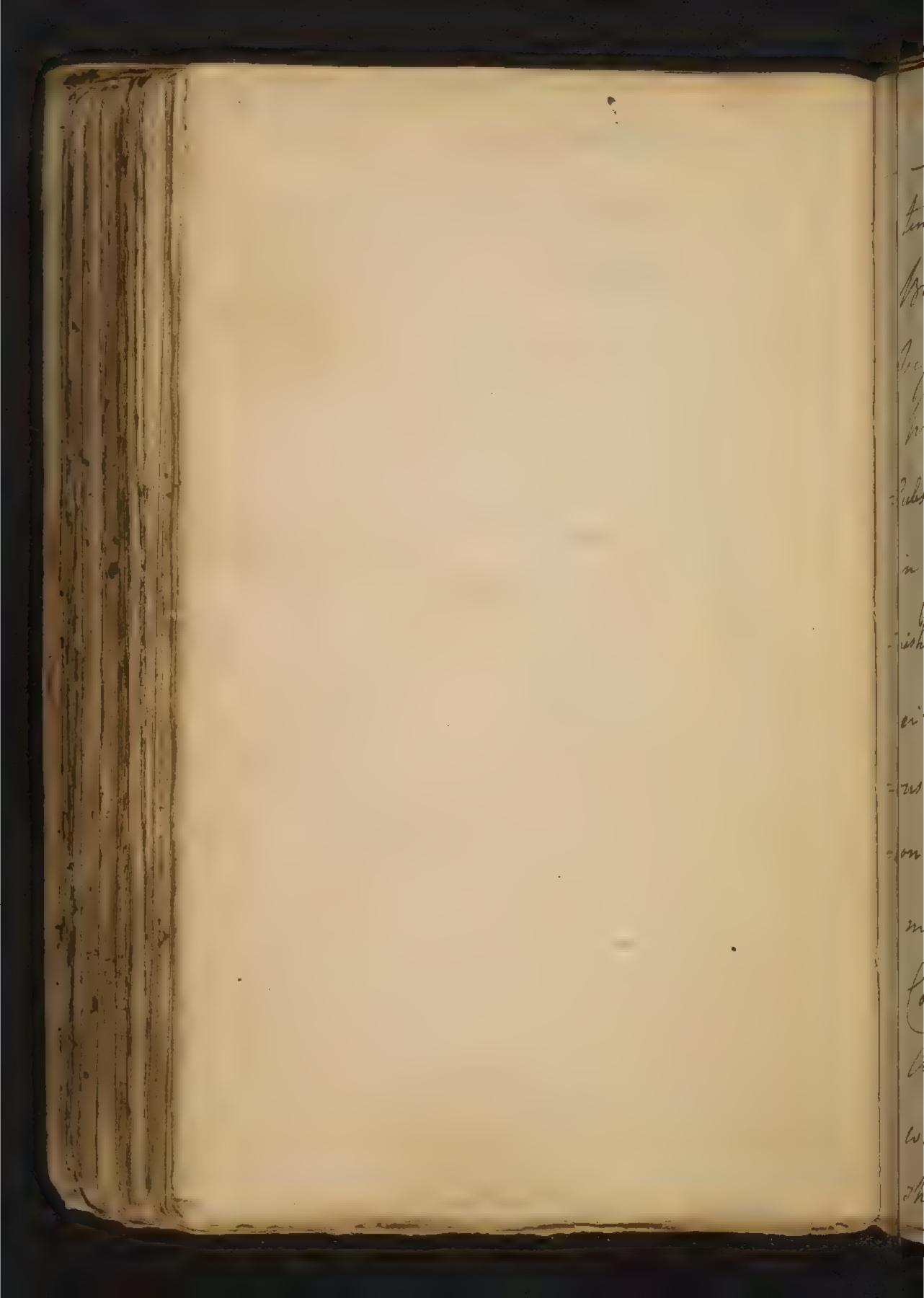
ansmia Let us enquire into the contrary l'estatus Diseases of the Molood. I mohia fanguinio bra dein, la bant of Aslowin the Morro hefuls. This may defend / whom in min with loa-enations 2: 2 hount of literarent. - a derminished starte of the Exerctions generally folions a want of aliment, but I then fore The Wallane w: till be kelet who between the Former of Jolios. In a transfer alliment then I me an an Alettertien of it is the ly a bornit - or Tyantua or Phytreution Lastral, lefter it is lumine in. Binhon imperfect africial ation. or forton of ly brine or Perspiration. I shall point



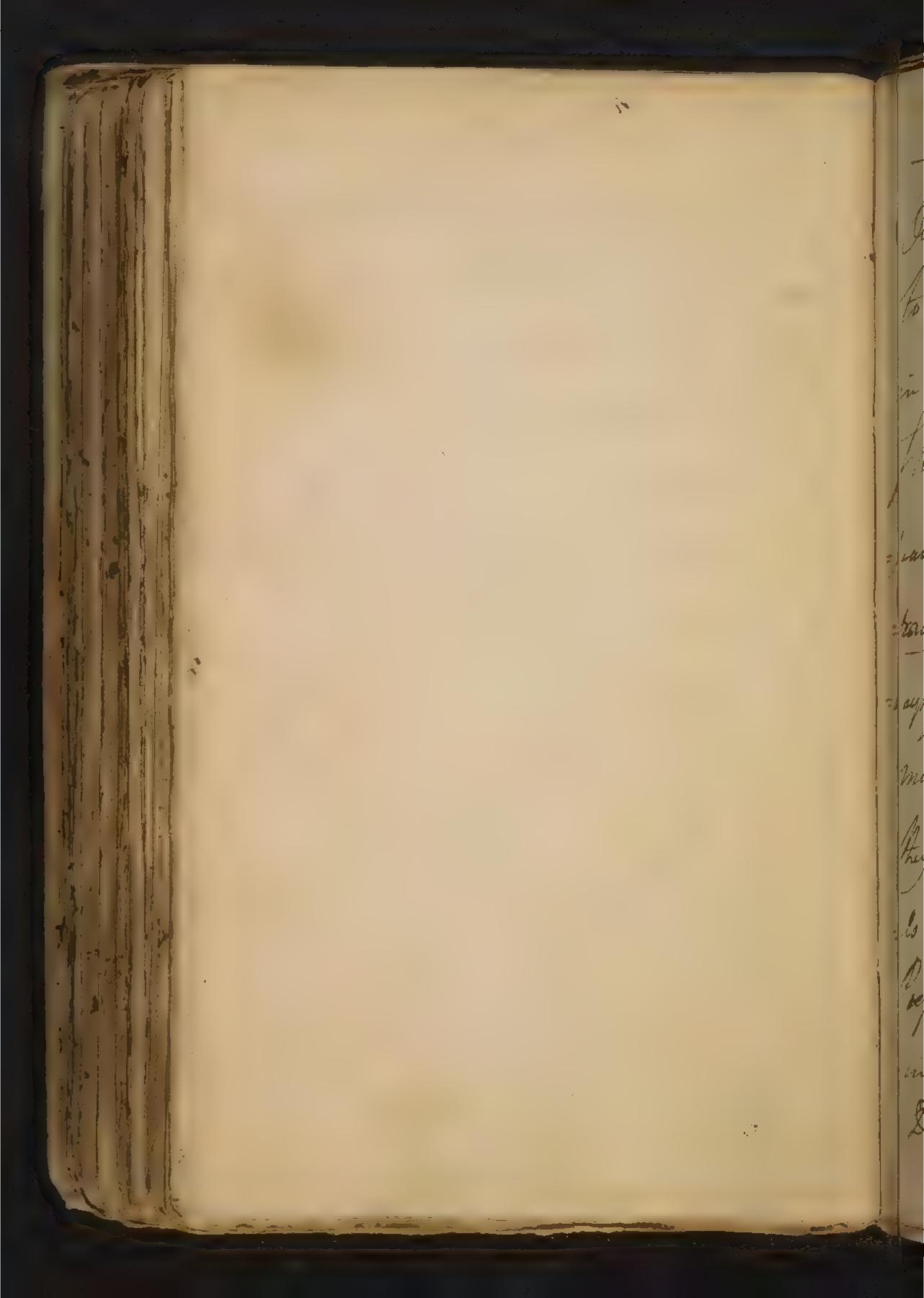
anomico. But one can of want of apinilation in we have in a want ofned Plotules with how from y la line for of y fur face I the Body as well as Other Phanomera. est waits by the Trending an reased ie by the or bailer running of by every money tory. Defections have thewise, winto out. This plante of the figstern. Lieuting remear trans listen of it under the Fitte of Amenia. What are y la ures of this 1 The boant of Math Minut we constitutes The us of loubules 2: The Defect of them fowers in the firem wi form the red fireles 3 has anations from of Mes Wood. Hun two last muses deem whiefly to aperate in inducing America. Pout homon is: to day to the to ant of bliment, or to gihature ofit.



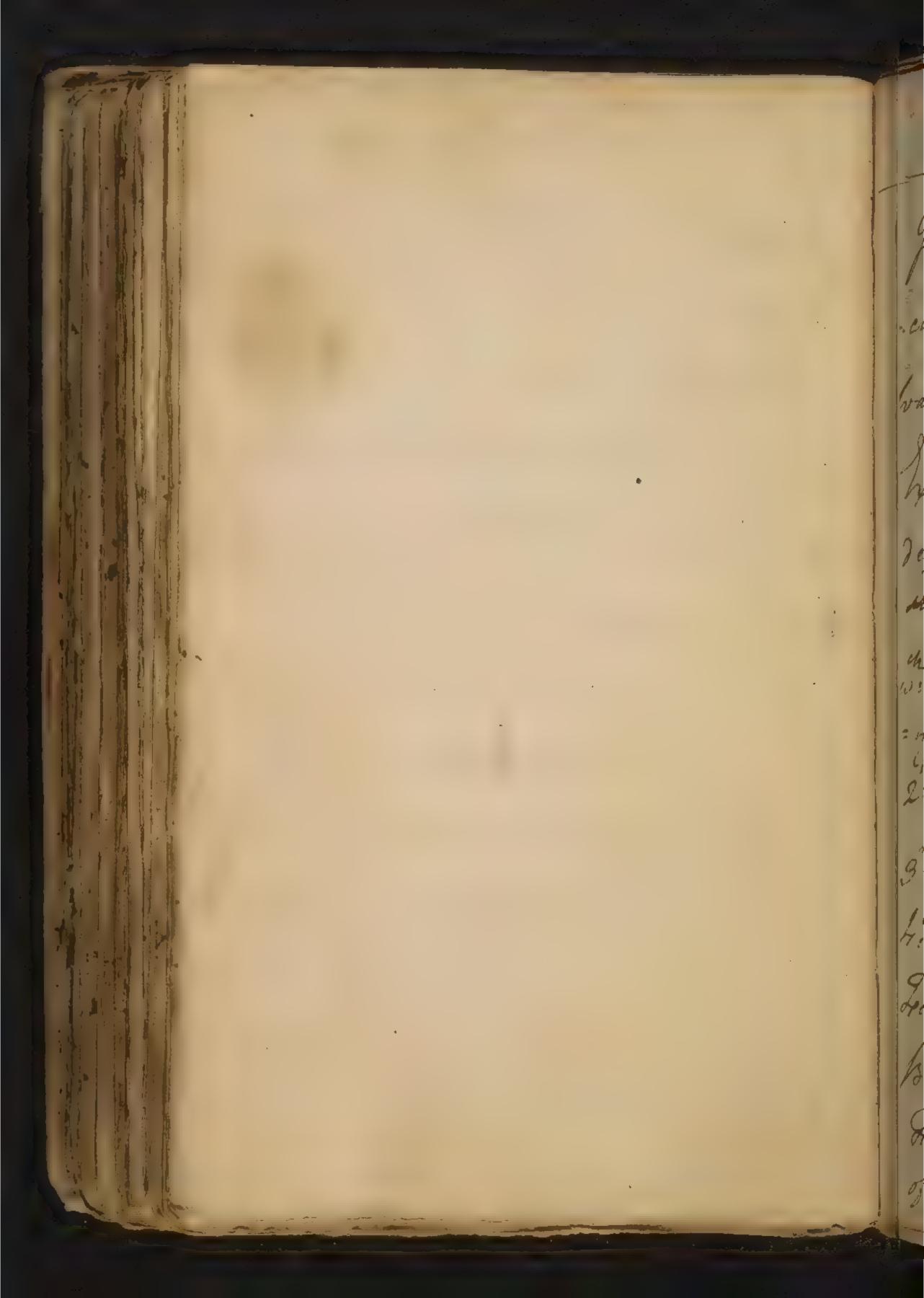
anemia The Bull of the Lion have an Equal quan: titis of her flobales in their Blood, as also the Pearant who hier on Jatmenl, and the rich literen who him only on Animal 2000. The fromen of a primilation then suspect are ofitefly defectible H. The firminal founce of a Deliciemen of Aslow. hence we find The Cheroier relivery deceds a breakoup of the topoetic Degrano. The Consequence of this tenancia we a trant of Linion which induces a general Debility in the Lyotime And we if we admit the live we formerly assigned to the Red Globules bis to retain the more fluid frants of the Mood, The want of Red Hobowles will brotuselly



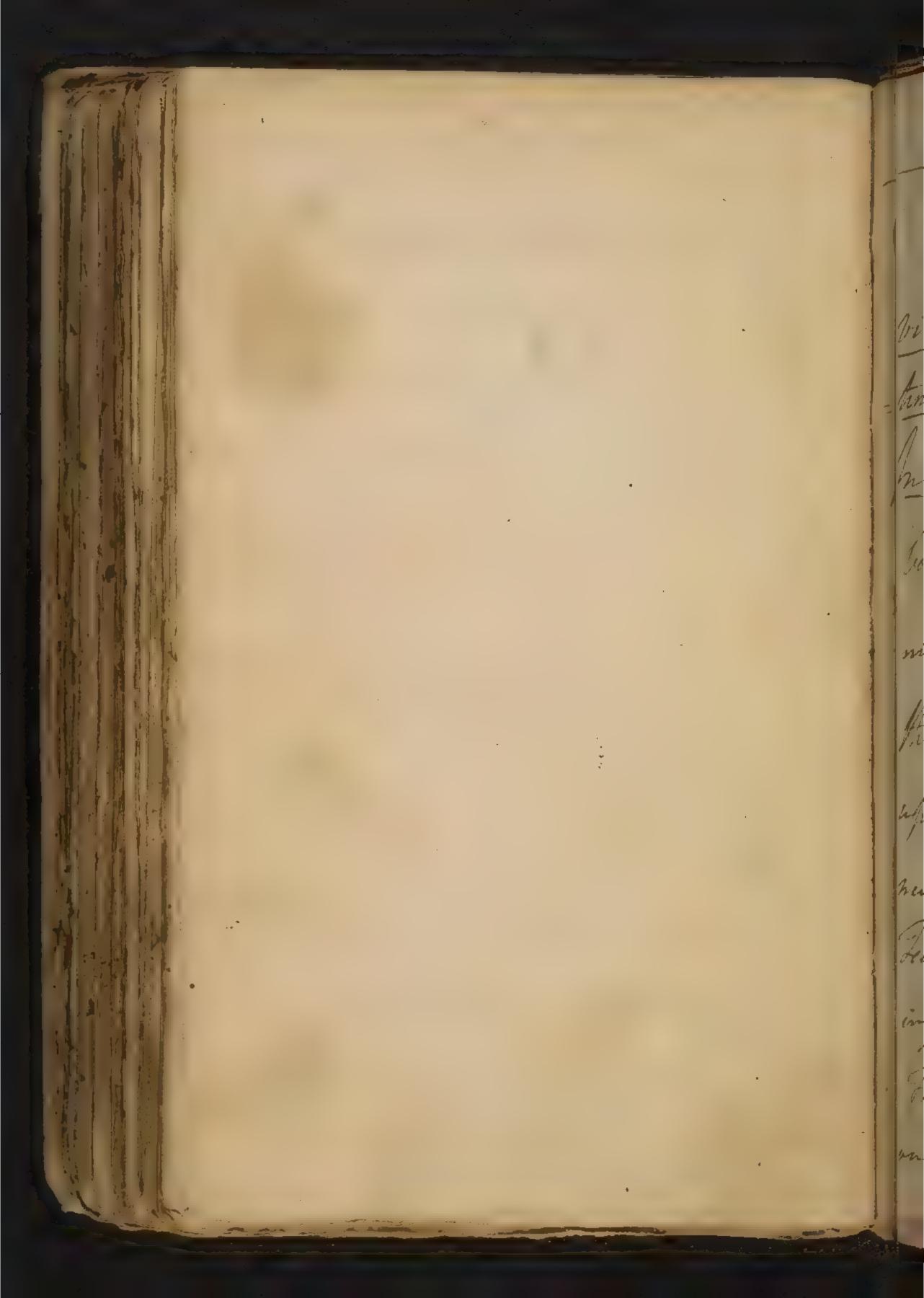
442 anomia tind to Suffer the mon fluid parts of the Artood to escape this the numerous patent; Orfiels wi abound all over the Lystem. to prevent this Disease I believe the Red Glo-: Subs are always in a very large proportion in graning harinals! When-they are dimi. inished The Fluids run of this every munctory en their internally or extenselly producing for cons Fishayes or Fropies - hum thebler: von When Dropsies de Often Succeed Has : morrhages. How far may the brant of Coaquelable Lymphon tend to bring on this anamia? This Julijut & formuly said was duffy involved in Obsairity, & !



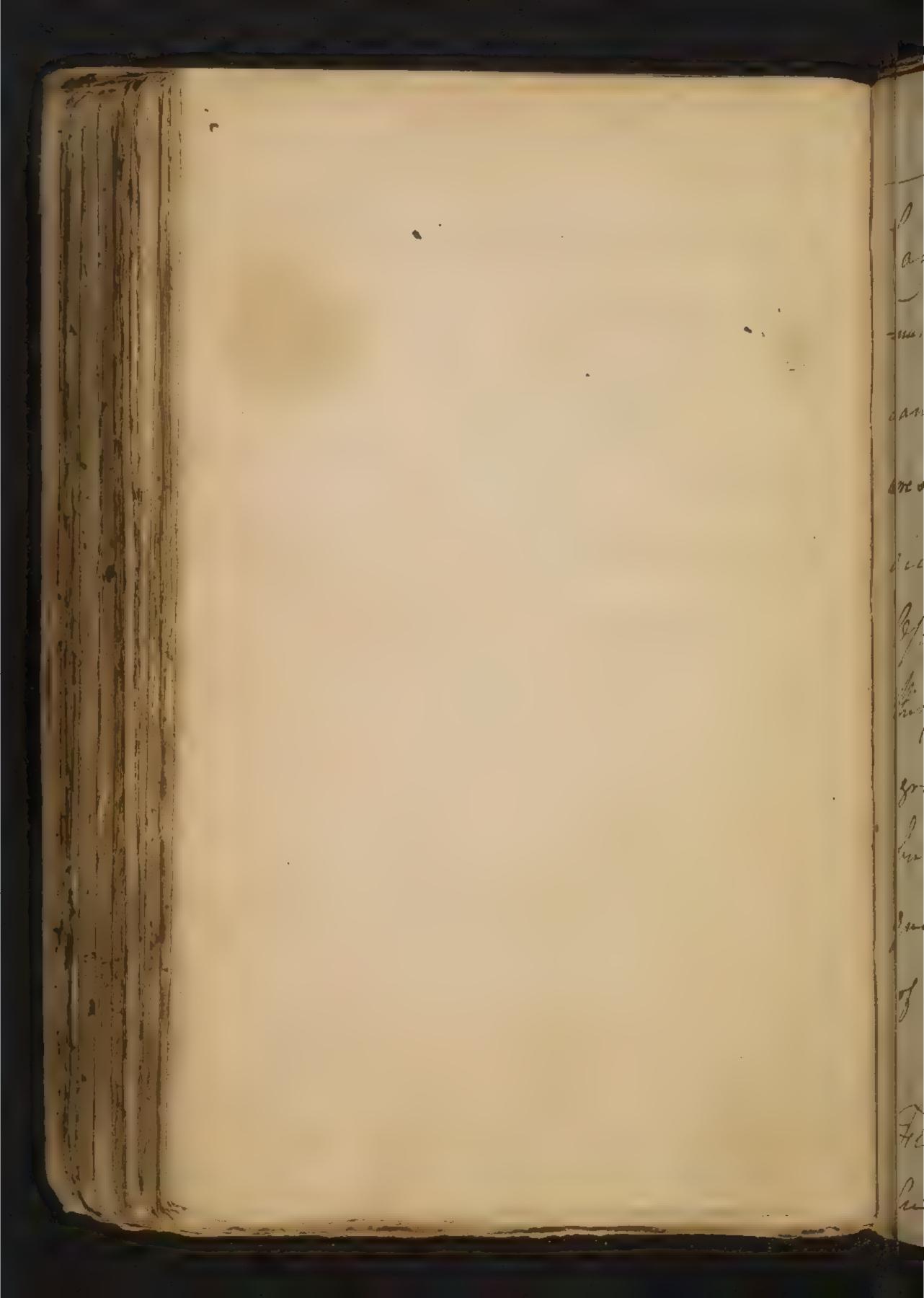
443 anomia Ibsence that this Inamia always tiend, to bring on a brant of Lension & Delite in the Lestin more especially of the flor ach & theo lopor tie Organo. Hap: : pears to hervise in the Brain. hence Lein: : mid L' Morganni tite un that they al : way frand the proprie janguinis prevail most in the Process, Hinstead of Mood they generally found air in in Blows before els es: detatites itsell from y Ordinary les es es: detatites itsell from y taken off. in the Forain distour greatly to Lywhe. Deliquium Animi Ve.



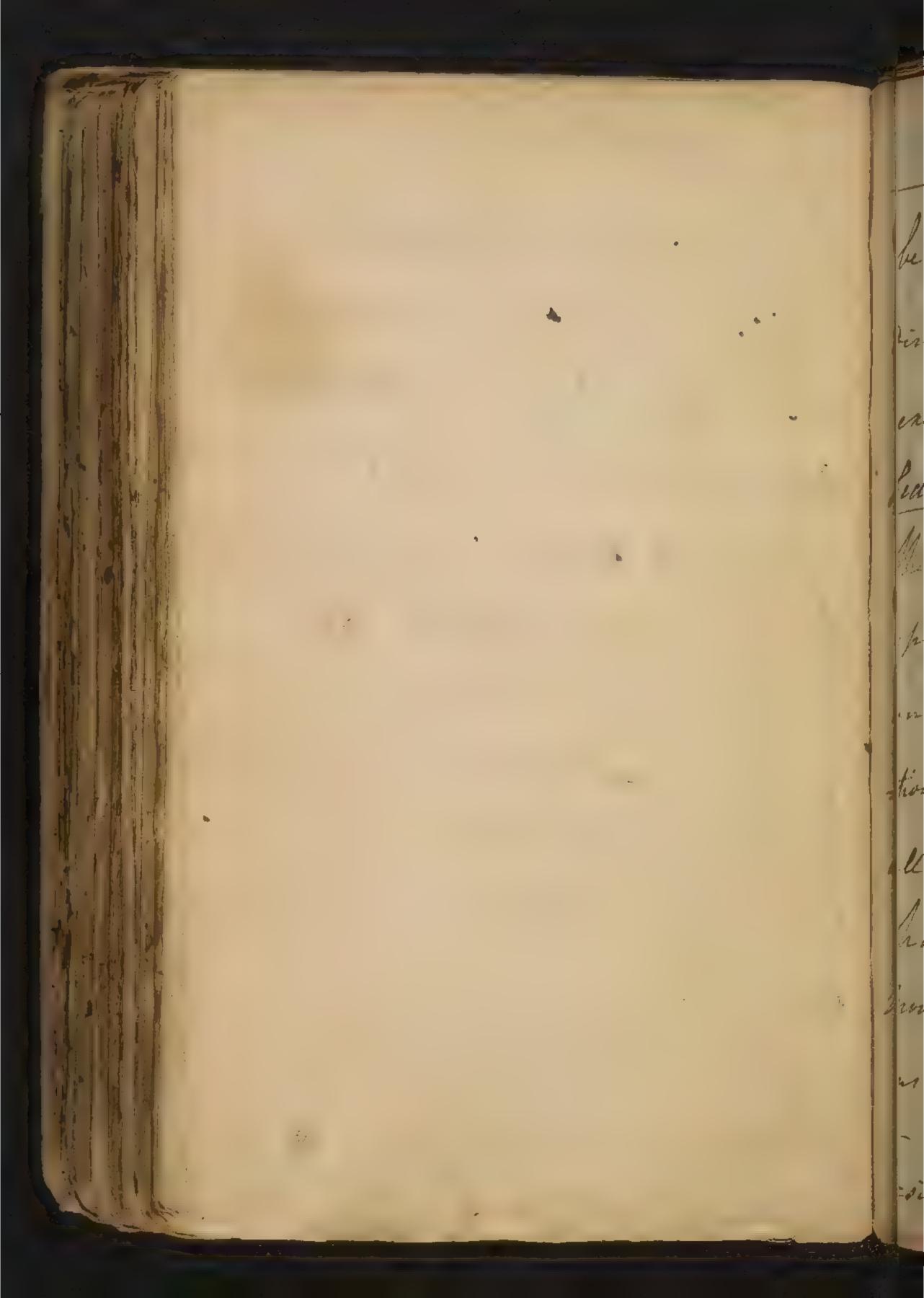
Hah Imacia, ton . ciation. This may before I whom a want of Reliment LL 2" upon too great Meretions: in juneral Minhit He matter we creasions Father or Bluit ins may be Accordance they an lunions. 2: whom too great presenter mution 3. Jones and firemlation of the delines & Hi to great here how of land of the Lelain of the Body especially with on Bile. I deliver trove tring as direlet Facts, nor to I think they stoned in hud to of any Profs.



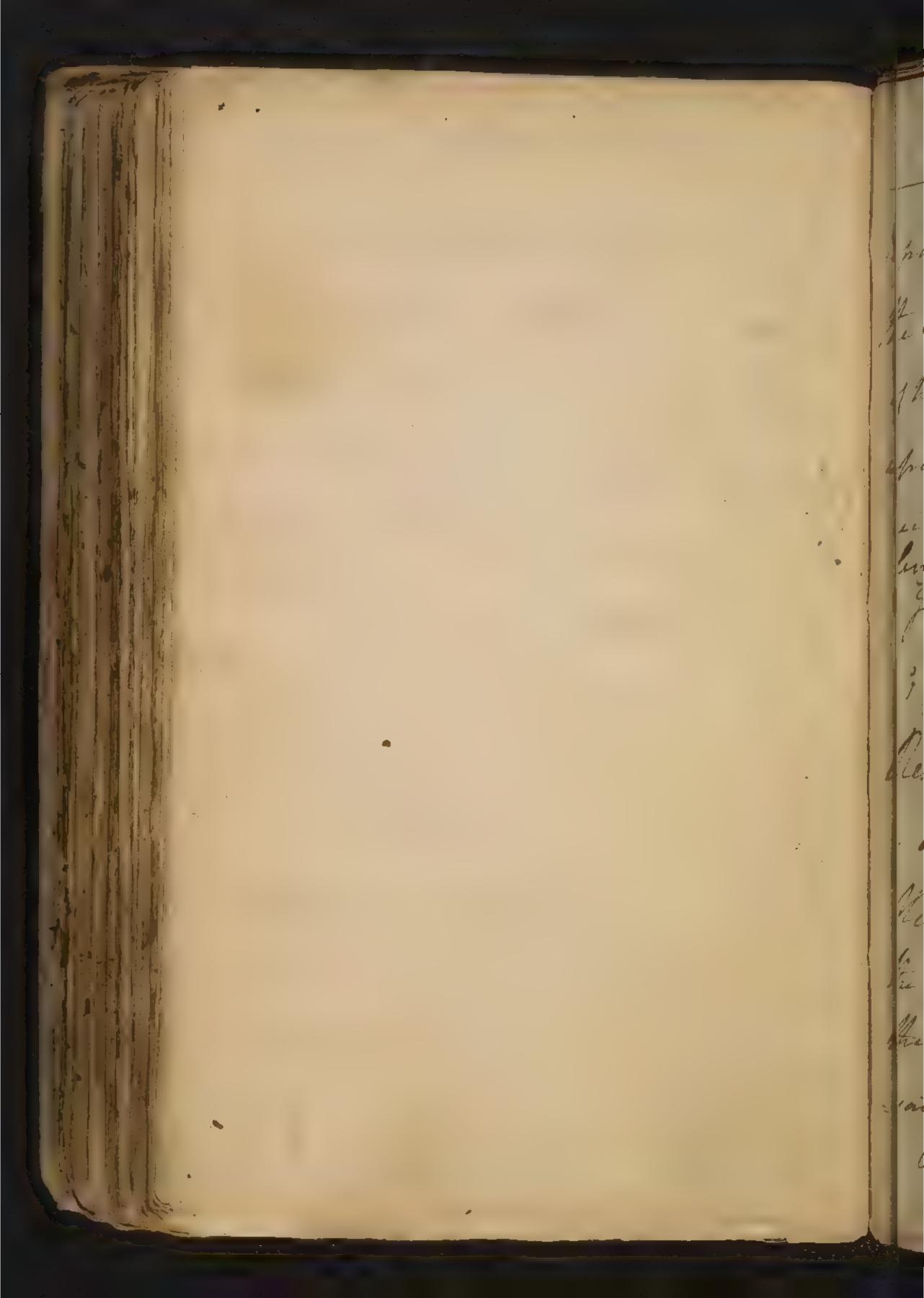
445 moters Vitia he come now to the who of the Motion Oritia. The Motion of our Filian is interthis and properie. as to a first big mitestine we are dune it take place Told Meanical The mical The Muchan nical depends whom external impulse. The hemical whom the Section of y February When Bucker . the Mechan: Motion never changes the Burnial Brealities of the delicios, nor havit any that and wit influences the Themical postion of the Heirs. The Phenical Motion way befreed either on mixture or Lermentation intothe



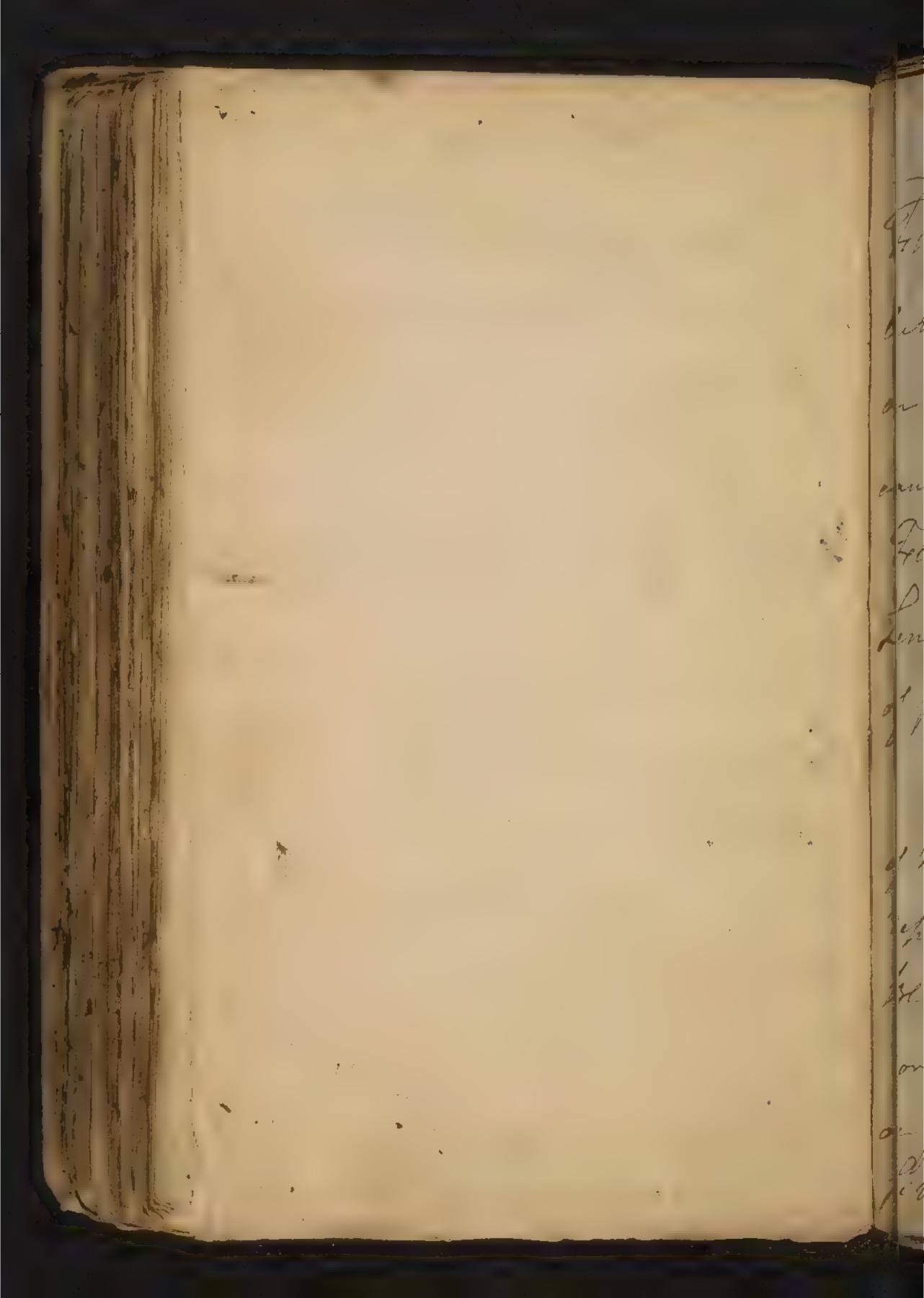
446 Mother Frita a ses it consists in Carolation & Combin mution in W: Manner these Otherate we cannot tell. All we can lay is if there and such prowers in Our dystem buttere One entirely & ignorant of their moders Oferandi dee Di Greekries Shot whom The ful; ut. he the tion of the winds grant governos the minture of the Foliois link there are affections in them w: are quite independant of the muchan; hetien of the Lestine. What is the Progressive motion ofour Fluids? It generally depends upon the of. bution of the polids wi are capable of



447 motion brilia being excited by various howers acting directly or indirectly who on them. These execting powers are mostly timuli, or fedatives in: last somminus indeed excite The liver of the folist. This must defind when their acting in death a munner on the inscrium so he to produce a lear tion of it whom the ystern & thus excite all the Morning howers of the Lysten . Tie nonveren the first thing of thinuis that ment of lathologist refer to fine an Such as act directly whom the moving howers. - Swe Thation of our Fluids Depunds



418 Motor brities the Lystein. In Proverhaure in \$ 1766 of the Althorisms invagino French upon direct timeli. Port in this his lineth was this a were night place . Migging . i Pold, 2 year. 3 for terjeiner & 4 a Clevistance in the Langui from Lysterer. - all these weather the Cution of the Recute, in dente a manner on to exist The Reaction of the Lemsonium to overcome the Puristance indus by the Pours Ston On what cours shower motion of



motio bitia Hillings depend? om a deminished but in of the folion alone not depending on Blistmention for to not this this ean Occasion a deorour motion of the Alaids, much lift do Jungin a Lenitor or breidity of the or linds is capable I produing such offerto. on What does an emercased Motion of the Fluids in harticular parts of glody repind? I when an mequality ofy Hoodi Intibution from the greater Friends or distance of how to from the Heart or from their more debegue or direct fituation. In whom this heavour

guilpay be .3,48 Vc

moex Mage 205. Digestion 18 lood 243. Feer him 251 huti hon 287. Cathology -288. a Discase What 3 Tamer of Direases what? 293. From promo of a Direase? 302 Direaces of the dolida biva 313. Diseases of The Fluids. 354 proximate laure Relative Direases ofy Mord 426 Enamia Motus bitia

